Timing and Distribution of Juvenile Salmonids in Burrard Inlet, British Columbia: February to August 1992

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By

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ABSTRACT

Naito, B.G. and J. Hwang 2000. Timing and distribution of juvenile salmonids in Burrard Inlet, British Columbia: February to August 1992. Can. Data Rep. Fish. Aquat. Sci. 1069 : 74p.

Fish sampling by beach seining was undertaken at several nearshore sites within Burrard Inlet during the spring and summer of 1992. Catch and length data for salmonids and presence/abundance data for non-salmonids are reported. The 1992 daily abundance estimates of juvenile pink salmon migrating downstream in the Fraser River as well as historical escapement data and recent salmonid enhancement activities for salmonid-bearing watercourses flowing into Burrard Inlet are also presented.

RESUMÉ

Naito, B.G. and J. Hwang. 2000. Timing and distribution of juvenile salmonids in Burrard Inlet, British Columbia: February to August 1992. Can. Data Rep. Fish. Aquat. Sci. 1069 : 74p.

Des prélèvements de poissons à l'aide d'une seine actionnée de la berge ont été effectués au cours du printemps et de l'été 1992 en plusieurs endroits proches du rivage, à l'intérieur de l'inlet Burrard. On détaille ici les données concernant les salmonidés, notamment leur longueur, ainsi que l'abondance des autres espèces. Les estimations de 1992 concernant l'abondance quotidienne des jeunes saumons roses qui descendaient le Fraser sont présentées avec les données historiques concernant les échappées. On détaille également les activités récentes de mise en valeur des salmonidés dans les cours d'eau à saumons qui se jettent dans l'inlet Burrard.

INTRODUCTION

The nearshore areas of marine/estuarine environments, such as Burrard Inlet, are known to be valuable rearing grounds for juvenile salmonids. In view of increasing urbanization and industrialization in and surrounding Burrard Inlet, information regarding the timing and distribution of juvenile salmonids utilizing the nearshore areas of Burrard Inlet was required to assist in the assessment of fisheries impacts that may result from proposed nearshore industrial and urban developments.

Fish surveys were conducted from February to August 1992 to determine the extent of timing and distribution of juvenile salmonids utilizing the nearshore areas of Burrard Inlet. An even year was chosen for this study as the majority of pink salmon in southern British Columbia spawn in odd years contributing to the presence of large numbers of juvenile pink salmon in marine/estuarine environments in even years. Information collected during the surveys is presented in this report and is intended to complement the previous information on juvenile salmonid utilization of Burrard Inlet summarized by Nelles (1978) and the information collected by Macdonald & Chang (1993).

STUDY AREA

PHYSICAL DESCRIPTION

The study area, comprised of Burrard Inlet, Port Moody Arm, and Indian Arm, is located on the south coast of British Columbia (see Figure 1). A detailed description of the study area is provided in Thomson (1981) and is briefly summarized below.

Burrard Inlet is divisible into an "inner" and "outer" basin. The relatively wide outer basin has a maximum width of 7 km and extends about 9 km from Point Atkinson to the First Narrows. The narrower 3.5 km wide inner basin extends 8.5 km eastward to the Second Narrows. Port Moody Arm extends 13.5 km eastward from the Second Narrows while Indian Arm extends north for 22 km near the head of Burrard Inlet (see Figures 2 & 3).

The study area is represented by a largely marine aquatic environment. However, the Fraser River contributes a large amount of freshwater to the study area, especially, to outer Burrard Inlet. A number of streams flowing directly into the study area also contribute freshwater to the study area.

Tides in the study area are characterized by mixed, mainly semi-diurnal tides. In Burrard Inlet, tides can vary from a high water level of 5.0 m in winter to a low water level of 0.0 m (chart datum) in summer.

Winds in Burrard Inlet and Port Moody Arm are generally east-west with easterly winds dominating most of the year except for the summer when westerly winds occur more often. Winds in Indian Arm are presumed to be north to correspond to easterly winds in Burrard Inlet and south to correspond to westerly winds.

METHODS

SAMPLE SITES

For this study, ten sample sites were selected throughout Burrard Inlet, Port Moody Arm, and Indian Arm so that a representative sample of fish could be collected from each area (see Figures 2 & 3). Besides location, the primary criteria for site selection was finding an area that was practical to beach seine. A detailed description of each sample site is provided in Table 1.

BEACH SEINING

At each site, fish were collected using a 30 m length beach seine. The beach seine was comprised of 10mm stretched mesh with a 5m wide bunt (5mm stretched mesh). The seine had an offset bunt (i.e. offset approximately three quarters to one end of the seine to make it more efficient at sampling areas along the shore) and was fitted with 15m towing lines off the ends. The seine was towed, using an approximate 6m length aluminum work boat with a 115hp motor, an average of 20m along the beach before it was pulled into shore.

Thirty of each salmonid species sampled (when available) were measured by fork length and ten of each salmonid species were kept as samples. All salmonids measured and kept as samples were inspected for marks to indicate if they contained a coded wire tag and, hence, were the result of salmonid enhancement. An estimate was then made of the number of salmonids remaining. Other species of fish were noted with abundance being counted or estimated depending on quantities.

All fish were identified in the field using criteria in Hart (1973), Phillips (1977) and McConnell and Snyder (1972).

Sampling was done once a week from February 25 to May 12 and bi-weekly from then until August 26. (Note that not all sites were sampled on each sample day). The 1992 sampling schedule is presented in Table 2. Table 2 also includes the tides for each sample day as well as recorded information regarding weather conditions and surface water temperatures.

RESULTS

Catch per unit effort (CPUE) data for each sample site is presented in Table 3. CPUE for this study was defined to be one set of the beach seine, thus, the CPUE data was intended to indicate relative abundance and not to indicate density. The number of marked salmonids (indicating the presence of a coded wire tag) out of the total number of salmonids caught for each sample site and sample day are also shown in Table 3.

All length data collected on each sample day has been included in Table 4. The lengths of marked salmonids are shown in parenthesis in Table 4. Note that, for each sample day, sample sites not sampled and at which no salmonid species were caught are not listed.

Non-salmonids were not the focus of this report, hence, data on non-salmonids was limited to noting presence or absence at each site. Non-salmonid data is presented in Appendix I and Appendix II. Note that some sites were not sampled on every sample date. A list of scientific names for non-salmonids caught is presented in Appendix III.

DISCUSSION

Although the results of this study have been published as a data report, the authors felt that some discussion of general observations and information with respect to the data obtained was warranted.

SALMONID RESOURCES IN BURRARD INLET

Juvenile Salmonid Habitat Requirements

Five species of Pacific Salmon and two species of sea-going trout have been documented as using Burrard Inlet during some part of each of their life cycles. Further documentation is provided by this study during which salmonids were collected from each of these seven salmonid species.

The unique life history pattern of each of the seven salmonid species using the study area has been well documented and will not be repeated in detail in this report. However, a brief summary of the life history pattern of each salmonid species in relation to the data obtained during this study follows.

Chum salmon (Oncorhynchus keta) return from the ocean to spawn in freshwater between ages 3-5 while pink salmon (O. gorbuscha) return to spawn at age 2. Chum and pink salmon are similar in that juveniles migrate directly to marine/estuarine nearshore areas after emergence with little or no freshwater rearing. Juvenile chum and pink salmon rely heavily on marine/estuarine nearshore areas for rearing. During this study, juvenile chum and pink salmon were observed in the study area primarily from the commencement of the study on February 25, 1992 to June 16, 1992 (a greater than four month period). The lengths of juvenile chum and pink salmon were observed to be greater than 35mm at the beginning of the study with an increase in length to greater than 60mm on June 16, 1992.

Coho salmon (O. kisutch) return from the ocean to spawn in freshwater between ages 3-4. Juvenile coho typically rear for 1-2 years in freshwater before entering marine/estuarine nearshore areas to rear for a short period prior to their migration to the ocean. During this study, the first juvenile coho salmon observed in the study area were collected on April 22, 1992 with the last collected on June 30, 1992 (an approximate 2 month period). The lengths of juvenile coho salmon observed during the study were generally greater than 85mm.

The age at which chinook salmon (O. tshawytscha) return from the ocean to spawn in freshwater varies from one population to the next and may range between ages 2-7 years. The length of time that chinook salmon rear in freshwater prior to entering marine/estuarine nearshore areas also varies between populations and may range from 2 to 3 months for southern, coastal populations to 1 year for populations originating from northern and/or colder river systems.

Juveniles chinook salmon rear in marine/estuarine nearshore areas for an extended period. This statement is supported by the results of this study during which juvenile chinook salmon were observed in the study area during the entire study (a greater than 6 month period). The lengths of juvenile chinook observed ranged from greater than 40mm at the beginning of the study to greater than 100mm at the end of the study.

Sockeye salmon (O. nerka) return from the ocean to spawn in freshwater between 4-5 years. Juvenile sockeye rear in lakes for 1 year (although some will rear in rivers or upper estuary areas) prior to migrating to the ocean. Sockeye juveniles do not usually rear in marine/estuarine nearshore areas. This statement is supported by the results of this study during which very few juvenile sockeye salmon were observed. The juvenile sockeye salmon that were observed occurred intermittently between April 22, 1992 and August 5, 1992. The lengths of juvenile sockeye salmon were observed to be greater than 80mm.

In southern areas, the juveniles of cutthroat trout (O. clarki) with an anadromous life history rear in freshwater for 2-3 years prior to migrating to and establishing schools in marine/estuarine nearshore areas (especially those areas influenced by freshwater). Anadromous cutthroat reside in these marine/estuarine nearshore areas for 1-2 summers (with overwintering in freshwater) prior to spawning for the first time. Mature cutthroat migrate from the ocean into freshwater in the fall and spawn in the spring. Near the beginning of the study (March 17, 1992), five cutthroat greater than 300mm were observed at the Moody Arm East sample site. However, during the remainder of the study, the cutthroat observed occurred intermittently between April 22, 1992 and August 5, 1992 with lengths greater than 150mm.

The age at which mature steelhead trout (O. mykiss) return from the ocean to spawn in freshwater varies from one population to the next and may range between ages 4-6 years. Steelhead juveniles generally rear in freshwater for 2 or 3 years before migrating to the marine/estuarine environment. Steelhead juveniles do not generally use nearshore areas for rearing. This statement is supported by the results of this study during which very few steelhead were observed. The steelhead that were observed occurred intermittently between June 9, 1992 and July 21, 1992 with lengths observed to be greater than 120mm.

Origin of Juvenile Salmonids Utilizing Burrard Inlet

The juvenile salmonids utilizing nearshore areas of Burrard Inlet for rearing originate from a number of sources.

It has been suggested that juvenile salmonids originating from the Fraser River may utilize Burrard Inlet for rearing and, hence, contribute to the juvenile salmonid population of Burrard Inlet. This suggestion is supported by the data obtained for juvenile pink salmon in this study. Given that the primary source of pink salmon juveniles from water courses flowing into Burrard Inlet is the Indian River situated at the head of Indian Arm one would predict larger numbers of juvenile pink salmon to be caught in Indian Arm, Port Moody Arm or inner Burrard Inlet than outer Burrard Inlet. However, the data obtained during this study showed that larger numbers of juvenile pink salmon were caught in outer Burrard Inlet than in Indian Arm, Port Moody Arm and inner Burrard Inlet on any one sample day. This suggests that the pink salmon juveniles caught in outer Burrard Inlet originated from outside of Burrard Inlet. One such source of juvenile pink salmon in the vicinity of Burrard Inlet is the Fraser River. Although juvenile salmonid abundance estimates for the Fraser River are available from data collected from the Fraser River pink fry downstream migration sampling program (see Table 5 for 1992 abundance estimates), the proportion of juvenile pink salmon from the Fraser River system that utilize Burrard Inlet for rearing has not been well documented.

Juvenile salmonids using Burrard Inlet for rearing also originate from streams flowing into Burrard Inlet. A list of streams flowing into Burrard Inlet that have been identified to support salmonids as well as past salmonid escapement data for each stream is presented in Table 6. Note that several other streams flowing into Burrard Inlet likely support salmonids but to date have not yet been identified as such. Detailed fisheries resource information for some of the major salmonid bearing streams can be found in the Stream Summary Catalogue for Subdistrict 28A Vancouver (DFO, 1989). Figures 4 and 5 show the approximate locations of all known salmonid bearing streams flowing into Burrard Inlet.

Marked (indicating the presence of a coded wire tag) juvenile coho and chinook salmon were observed throughout this study. This result was expected given that Burrard Inlet and the streams discharging into it are the subject of a substantial enhancement effort by the Department of Fisheries and Oceans (DFO) Salmonid Enhancement Program (SEP) which contributes significantly to salmonid populations in Burrard Inlet. A summary of DFO SEP activities conducted in 1992 in the Burrard Inlet area is included in Table 7a.

As indicated in Table 7a, the Burrard Inlet salmonid species that are enhanced include coho, chum, and chinook salmon, as well as cutthroat and steelhead trout. Chinook, cutthroat, steelhead, and some chum and coho were released as smolts in 1992. These smolts would have contributed to the juvenile salmonid population of Burrard Inlet in 1992. The chum that were released to creeks as fry would have also contributed to the juvenile chum population of Burrard Inlet in 1992. The coho that were released to creeks as fry in 1992 would typically reside in freshwater for a year prior to their downstream migration as smolts and, hence, would not normally contribute to the 1992 juvenile coho population of Burrard Inlet. Therefore, Table 7b shows a summary of coho fry released into Burrard Inlet streams in 1991 as these coho fry would have contributed to the 1992 juvenile salmonid population in Burrard Inlet.

It should be noted that it has been documented (e.g. Tschaplinski (1982) and (1987)) that a proportion of coho fry in streams may migrate downstream or are transported by high water flows directly to the marine/estuarine environment in the same year that they have emerged. Therefore, it is possible that a proportion of coho fry emerged or released from hatcheries to streams in 1992 may have contributed to the 1992 juvenile coho population is Burrard Inlet. However, it should be noted that only very few small juvenile coho salmon (approximately 35mm length) were observed during this study.

In summary, marine/estuarine nearshore areas are known to be valuable rearing grounds for juvenile salmonids. The use of marine/estuarine nearshore areas by juvenile salmonids is supported by the results of this study which showed that the nearshore areas of Burrard Inlet, Indian Arm, and Port Moody Arm support a large quantity of salmonids (primarily juvenile salmonids) for a significant portion of the year. These salmonids, possibly originating from the Fraser River as well as originating from the many local streams, all rely on the nearshore areas of Burrard Inlet, Indian Arm, and Port Moody Arm to provide large quantities of food, to provide a relatively protected area to allow them time to adapt to the ocean environment, and to provide other requirements needed for their survival.

REFERENCES

Department of Fisheries & Oceans (DFO). 1991 & 1992. Capilano Hatchery Finclip/Unmarked Release Reports 1991 and 1992.

Department of Fisheries & Oceans (DFO). 1989. Fish Habitat Inventory & Information Program Stream Summary Catalogue Subdistrict # 28A Vancouver, Fraser River, Northern B.C. & Yukon Division, Fisheries Branch.

Department of Fisheries & Oceans (DFO). 1991 & 1992. SalmonidEnhancement Program Community Involvement Division Quarterly and Semi-Annual Reports: West Vancouver to Squamish/Pemberton and Vancouver Mainland/ North Shore.

Hart, J.L. 1973. Pacific fishes of Canada. Fish. Res. Board Can. Bull. 180.

Macdonald, J.S. and B.D. Chang. 1993. Seasonal use by fish of nearshore areas in an urbanized coastal inlet in southwestern British Columbia. Northwest Science 67(2):63-77.

McConnell, R.J. and G.R. Snyder. 1972. Key to Field Identification of Anadromous Juvenile Salmonids in the Pacific Northwest. NOAA Technical Report NMFS CIRC-366.

Nelles, S. 1978. Comments on Juvenile Salmonid Utilization of Burrard Inlet and Vancouver Harbour. Fisheries and Marine Service Internal Report.

Phillips, A.C. 1977. Key Field Characters of Use In Identifying Young Marine Pacific Salmon. Fisheries and Marine Service Technical Report No. 746.

Thomson, R.E. 1981. Oceanography of the British Columbia Coast. Canadian Special Publication of Fisheries and Aquatic Sciences 56.

Tschaplinski, P.J. 1987. The use of estuaries as rearing habitats by juvenile coho salmon. In Proceedings of the Workshop: Applying 15 Years of Carnation Creek Results. T.W. Chamberlin (ed.), Nanaimo, B.C. January 13 to 15, 1987. 239pp.

Tschaplinski, P.J. 1982. Aspects of the population biology of estuary-reared and stream-reared juvenile coho salmon in Carnation Creek: a summary of current research. In Proceedings of the Carnation Creek Workshop, A 10-Year Review. G.F. Hartman (ed.) Malaspina College, Nanaimo, B.C. February 24 to 26, 1982. 404pp.

FIGURES

Figure 1. Location of Burrard Inlet

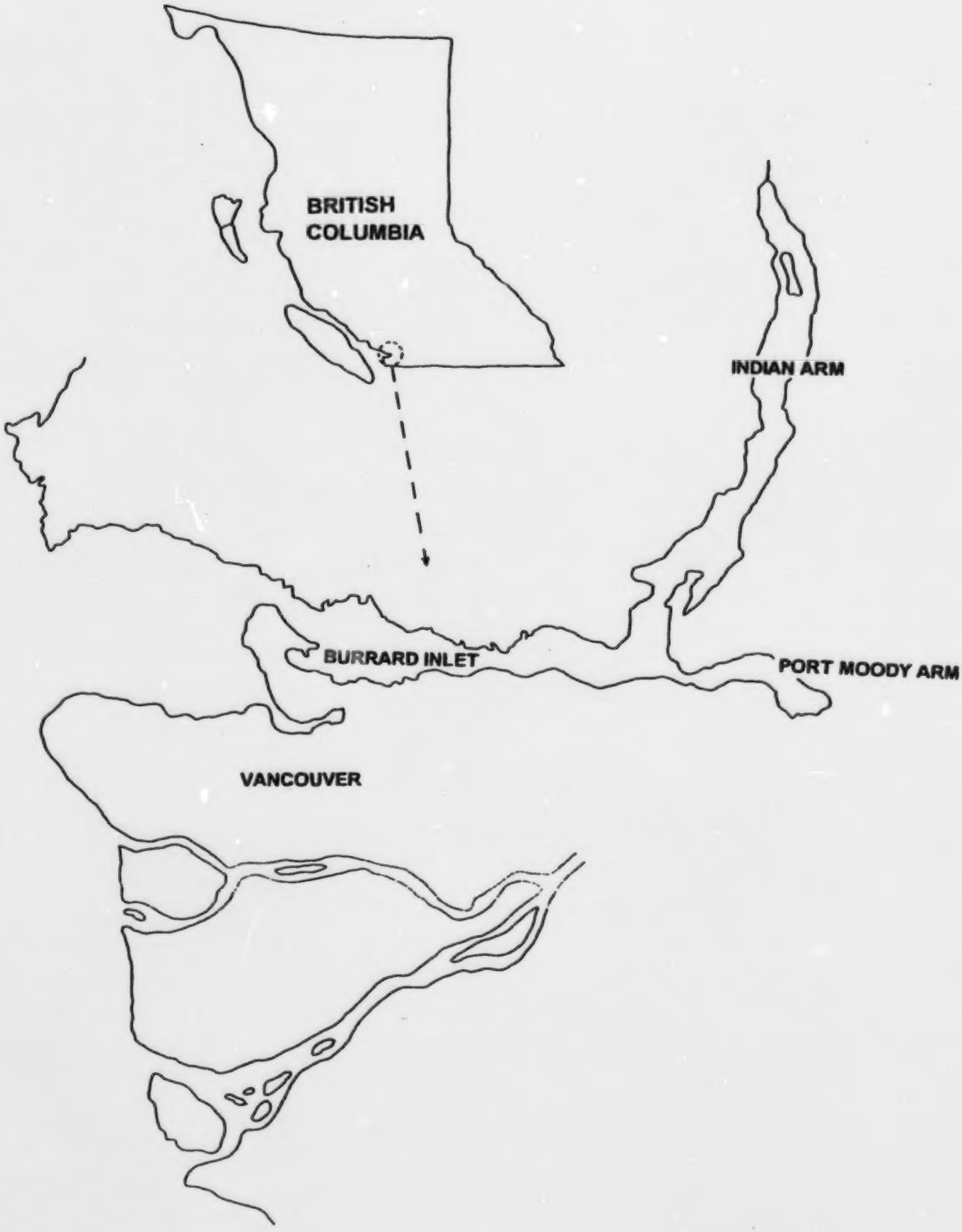


Figure 2. Location of Burrard Inlet Sample Sites

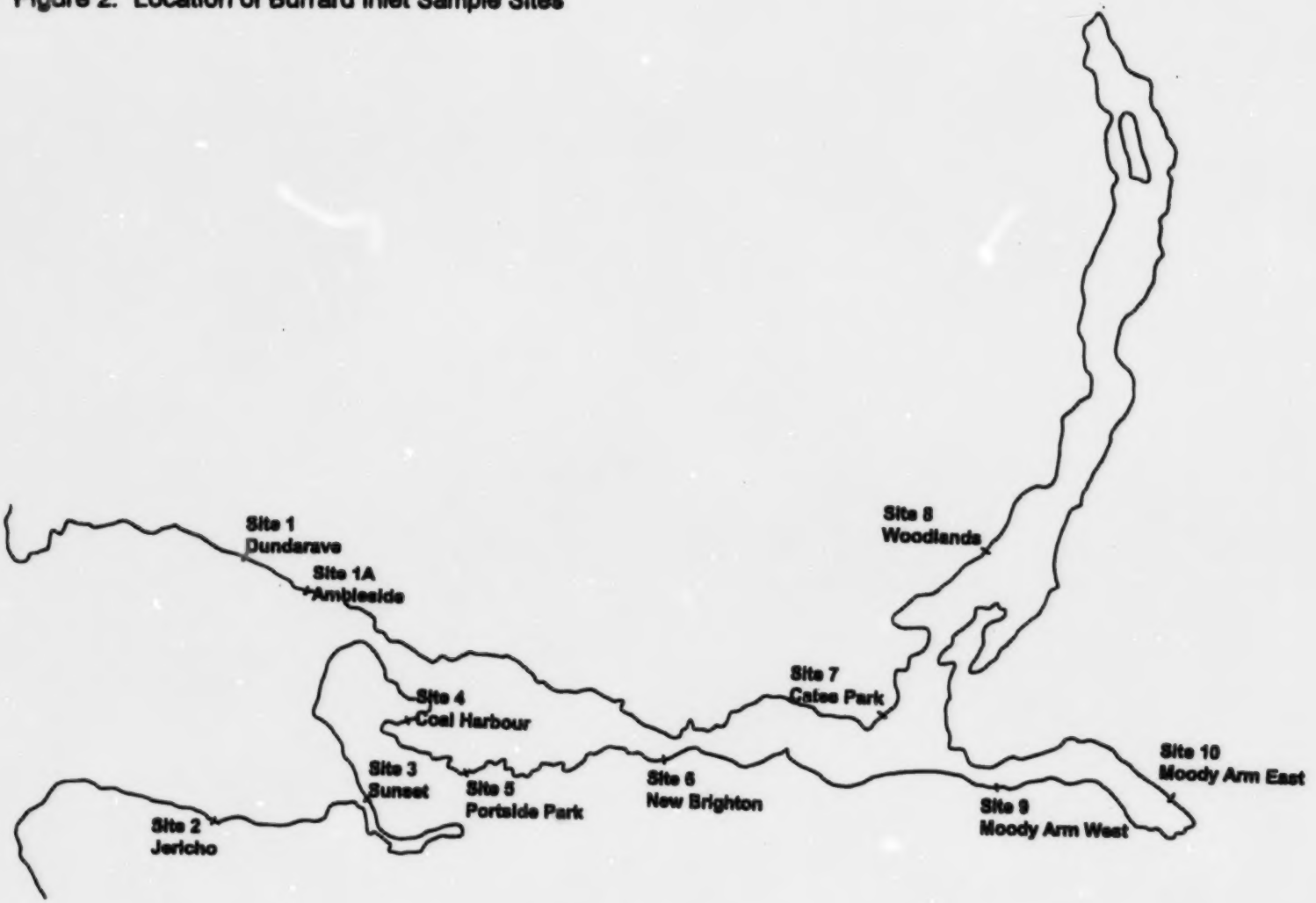
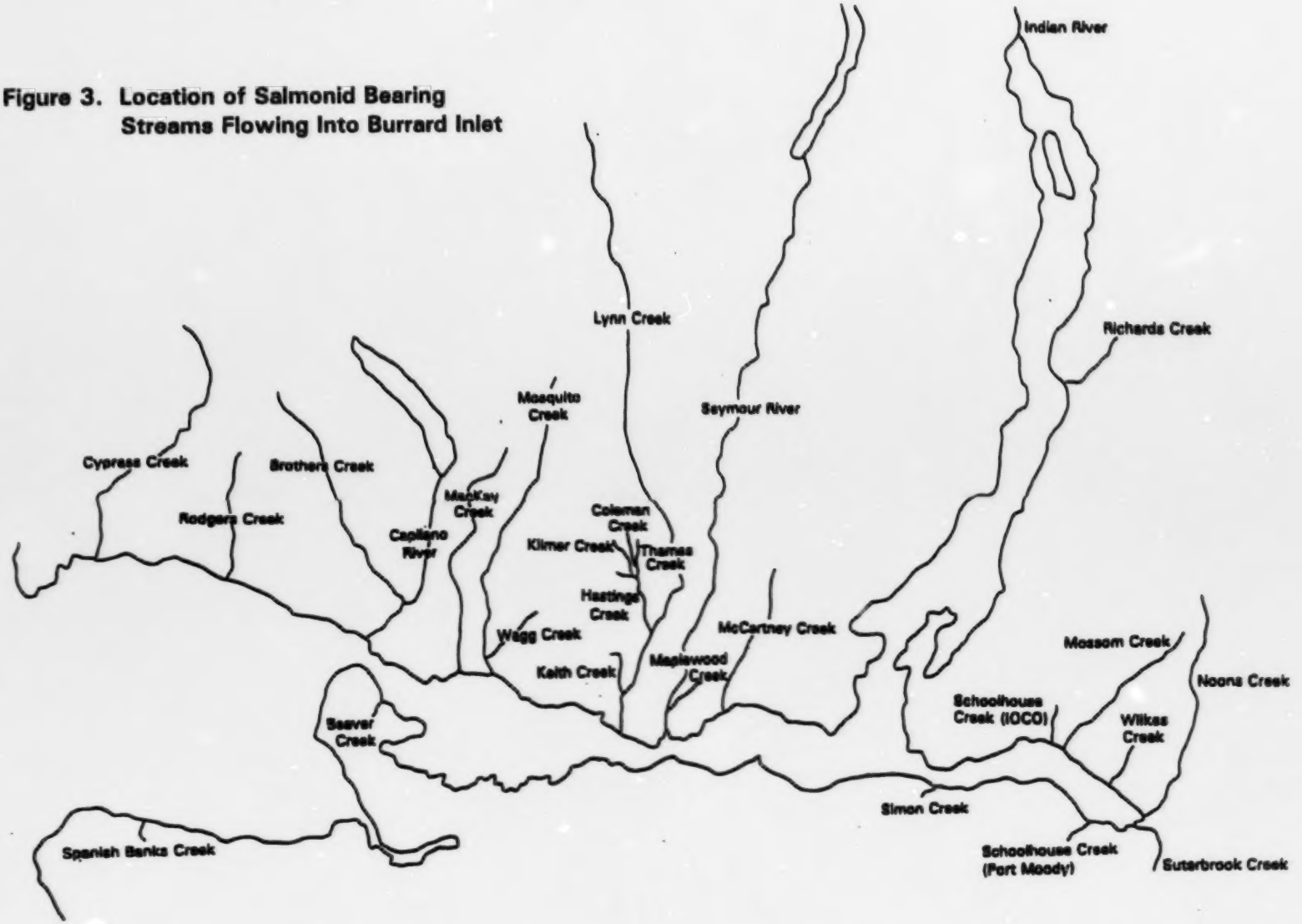


Figure 3. Location of Salmonid Bearing Streams Flowing Into Burrard Inlet



TABLES

Table 1. Burrard Inlet Sample Site Desciptions 1992

Site 1 Dundarave		
	Location	North Shore of Burrard Inlet
	Aspect	South
	Wave Environment	Moderately Sheltered
	Substrate	Gravel/Sand
	Slope	20 %
Site 1A Ambleside		
	Location	North Shore of Burrard Inlet
	Aspect	South
	Wave Environment	Moderately Sheltered
	Substrate	Gravel/Sand
	Slope	20 %
Site 2 Jericho		
	Location	South Shore of Burrard Inlet
	Aspect	North
	Wave Environment	Moderately Sheltered
	Substrate	Sand/Mud
	Slope	< 10 %
Site 3 Sunset		
	Location	Mouth of False Creek
	Aspect	South
	Wave Environment	Sheltered
	Substrate	Mud/Sand
	Slope	20 %
Site 4 Coal Harbour		
	Location	East of Deadmans Island
	Aspect	South-West
	Wave Environment	Sheltered
	Substrate	Mud
	Slope	< 10 %
Site 5 Portside Park		
	Location	Vancouver Waterfront
	Aspect	North
	Wave Environment	Sheltered
	Substrate	Pebble/Cobble
	Slope	20 %

Table 1 (Cont'd). Burrard Inlet Sample Site Desciptions 1992

Site 6 New Brighton

Location	West of Second Narrows
Aspect	North
Wave Environment	Sheltered
Substrate	Cobble/Pebble
Slope	20 %

Site 7 Cates Park

Location	Entrance To Indian Arm
Aspect	East
Wave Environment	Sheltered
Substrate	Sand/Some Large Boulders
Slope	15 %

Site 8 Woodlands

Location	Mid Indian Arm
Aspect	South-East
Wave Environment	Sheltered
Substrate	Cobble/Boulders
Slope	< 10 %

Site 8A Deep Cove

Location	Mid Indian Arm
Aspect	North-East
Wave Environment	Sheltered
Substrate	Gravel/Cobble
Slope	< 10 %

Site 9 Moody Arm West

Location	Near Entrance to Port Moody Arm
Aspect	North
Wave Environment	Sheltered
Substrate	Sand/Cobble
Slope	15 %

Site 10 Moody Arm East

Location	Head of Port Moody Arm
Aspect	South-West
Wave Environment	Sheltered
Substrate	Mud
Slope	< 10 %

Table 2. 1992 Burrard Inlet Sampling Schedule

Sample Date - February 25		
Weather Conditions		Not Recorded
Sample Site Number and Location		Sample Time (PST)
Site 1	Dundarave	Not Sampled
Site 1A	Ambleside	1154
Site 2	Jericho	Not Sampled
Site 3	Sunset	Not Sampled
Site 4	Coal Harbour	1215
Site 5	Portside Park	1240
Site 6	New Brighton	1345
Site 7	Cates Park	1410
Site 8	Woodlands	Not Sampled
Site 8A	Deep Cove	Not Sampled
Site 9	Moody Arm West	Not Sampled
Site 10	Moody Arm East	1430

Tides At Vancouver	
High @ PST	Low @ PST
3.9 M @ 0020	3.4 M @ 0445
4.1 M @ 0950	1.4 M @ 1745

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

No Surface Water Temperatures Were Recorded.

Sample Date - March 3		
Weather Conditions		Not Recorded
Sample Site Number and Location		Sample Time (PST)
Site 1	Dundarave	Not Sampled
Site 1A	Ambleside	1145
Site 2	Jericho	1010
Site 3	Sunset	1110
Site 4	Coal Harbour	1215
Site 5	Portside Park	1240
Site 6	New Brighton	1305
Site 7	Cates Park	1420
Site 8	Woodlands	Not Sampled
Site 8A	Deep Cove	1438
Site 9	Moody Arm West	Not Sampled
Site 10	Moody Arm East	Not Sampled

Tides At Vancouver	
High @ PST	Low @ PST
4.3 M @ 0545	2.6 M @ 1135
3.9 M @ 1700	1.5 M @ 2330

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

No Surface Water Temperatures Were Recorded.

Sample Date - March 10		
Weather Conditions		Not Recorded
Sample Site Number and Location		Sample Time (PST)
Site 1	Dundarave	1020
Site 1A	Ambleside	1000
Site 2	Jericho	1049
Site 3	Sunset	1125
Site 4	Coal Harbour	1215
Site 5	Portside Park	1240
Site 6	New Brighton	1315
Site 7	Cates Park	Not Sampled
Site 8	Woodlands	Not Sampled
Site 8A	Deep Cove	1450
Site 9	Moody Arm West	1520
Site 10	Moody Arm East	Not Sampled

Tides At Vancouver	
High @ PST	Low @ PST
4.3 M @ 0545	2.6 M @ 1135
3.9 M @ 1700	1.5 M @ 2330

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

The Surface Water Temperature Recorded At Site 3 Sunset Was 9.0 C.

Table 2 (Cont'd). 1992 Burrard Inlet Sampling Schedule

Sample Date - March 17		
Weather Conditions		Overcast
Sample Site Number and Location		Sample Time (PST)
Site 1	Dundarave	1000
Site 1A	Ambleside	Not Sampled
Site 2	Jericho	1030
Site 3	Sunset	1100
Site 4	Coal Harbour	1145
Site 5	Portside Park	1210
Site 6	New Brighton	1240
Site 7	Cates Park	1355
Site 8	Woodlands	1430
Site 8A	Deep Cove	Not Sampled
Site 9	Moody Arm West	1500
Site 10	Moody Arm East	1530

Tides At Vancouver	
High @ PST	Low @ PST
4.5 M @ 0445	2.1 M @ 1055
4.1 M @ 1635	1.4 M @ 2255

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

The Surface Water Temperature Recorded At Site 6 New Brighton Was 9.0 C.

Sample Date - March 24		
Weather Conditions		Sunny
Sample Site Number and Location		Sample Time (PST)
Site 1	Dundarave	1000
Site 1A	Ambleside	Not Sampled
Site 2	Jericho	1045
Site 3	Sunset	1125
Site 4	Coal Harbour	1200
Site 5	Portside Park	1240
Site 6	New Brighton	1315
Site 7	Cates Park	1430
Site 8	Woodlands	1450
Site 8A	Deep Cove	Not Sampled
Site 9	Moody Arm West	1530
Site 10	Moody Arm East	0900

Tides At Vancouver	
Low @ PST	High @ PST
3.3 M @ 0330	4.0 M @ 0820
1.2 M @ 1555	4.1 M @ 2340

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

The Surface Water Temperature Recorded At Site 10 Moody Arm East Was 10.5 C.

Sample Date - March 31		
Weather Conditions		Sunny
Sample Site Number and Location		Sample Time (PST)
Site 1	Dundarave	1000
Site 1A	Ambleside	Not Sampled
Site 2	Jericho	1040
Site 3	Sunset	1115
Site 4	Coal Harbour	1210
Site 5	Portside Park	1230
Site 6	New Brighton	1300
Site 7	Cates Park	1415
Site 8	Woodlands	1430
Site 8A	Deep Cove	Not Sampled
Site 9	Moody Arm West	1510
Site 10	Moody Arm East	1546

Tides At Vancouver	
High @ PST	Low @ PST
4.1 M @ 0415	2.2 M @ 1030
3.7 M @ 1615	2.0 M @ 2220

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

No Surface Water Temperatures Were Recorded.

Table 2 (Cont'd). 1992 Burrard Inlet Sampling Schedule

Sample Date - April 7			
Weather Conditions		Not Recorded	Surface
Sample Site Number and Location		Sample Time (PDT)	Water Temp.
Site 1	Dundarave	1010	9.0 C
Site 1A	Ambleside	Not Sampled	
Site 2	Jericho	1030	10.5 C
Site 3	Sunset	1120	9.5 C
Site 4	Coal Harbour	1230	11.0 C
Site 5	Portside Park	1300	9.5 C
Site 6	New Brighton	1330	9.5 C
Site 7	Cates Park	1440	11.0 C
Site 8	Woodlands	1520	12.0 C
Site 8A	Deep Cove	Not Sampled	
Site 9	Moody Arm West	1600	9.5 C
Site 10	Moody Arm East	0915	9.5 C

Tides At Vancouver	
Low @ PDT	High @ PDT
3.2 M @ 0315	4.1 M @ 0800
0.8 M @ 1535	4.3 M @ 2300

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

Sample Date - April14		
Weather Conditions		Rain
Sample Site Number and Location		Sample Time (PDT)
Site 1	Dundarave	0930
Site 1A	Ambleside	Not Sampled
Site 2	Jericho	1010
Site 3	Sunset	1045
Site 4	Coal Harbour	1200
Site 5	Portside Park	1235
Site 6	New Brighton	1255
Site 7	Cates Park	1405
Site 8	Woodlands	1445
Site 8A	Deep Cove	Not Sampled
Site 9	Moody Arm West	1515
Site 10	Moody Arm East	1540

Tides At Vancouver	
High @ PDT	Low @ PDT
4.4 M @ 0415	1.8 M @ 1050
3.9 M @ 1645	2.0 M @ 2240

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

No Surface Water Temperatures Were Recorded.

Sample Date - April 22		
Weather Conditions		Rain
Sample Site Number and Location		Sample Time (PDT)
Site 1	Dundarave	0920
Site 1A	Ambleside	Not Sampled
Site 2	Jericho	1010
Site 3	Sunset	1050
Site 4	Coal Harbour	1215
Site 5	Portside Park	1250
Site 6	New Brighton	1320
Site 7	Cates Park	1435
Site 8	Woodlands	1510
Site 8A	Deep Cove	Not Sampled
Site 9	Moody Arm West	1545
Site 10	Moody Arm East	0835

Tides At Vancouver	
Low @ PDT	High @ PDT
3.3 M @ 0430	3.7 M @ 0830
1.1 M @ 1610	4.3 M @ 2400

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

No Surface Water Temperatures Were Recorded.

Table 2 (Cont'd). 1992 Burrard Inlet Sampling Schedule

Sample Date - April 28		
Weather Conditions		Not Recorded
Sample Site Number and Location		Sample Time (PDT)
Site 1	Dundarave	0915
Site 1A	Ambleside	Not Sampled
Site 2	Jericho	0950
Site 3	Sunset	1040
Site 4	Coal Harbour	1135
Site 5	Portside Park	1215
Site 6	New Brighton	1245
Site 7	Cates Park	1407
Site 8	Woodlands	1440
Site 8A	Deep Cove	Not Sampled
Site 9	Moody Arm West	1510
Site 10	Moody Arm East	1550

Tides At Vancouver	
High @ PDT	Low @ PDT
4.1 M @ 0335	2.0 M @ 1020
3.5 M @ 1620	2.4 M @ 2150

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

No Surface Water Temperatures Were Recorded.

Sample Date - May 5		
Weather Conditions		Sunny
Sample Site Number and Location		Sample Time (PDT)
Site 1	Dundarave	0945
Site 1A	Ambleside	Not Sampled
Site 2	Jericho	1025
Site 3	Sunset	1115
Site 4	Coal Harbour	1230
Site 5	Portside Park	1315
Site 6	New Brighton	1400
Site 7	Cates Park	1515
Site 8	Woodlands	1550
Site 8A	Deep Cove	Not Sampled
Site 9	Moody Arm West	1615
Site 10	Moody Arm East	0830

Tides At Vancouver	
Low @ PDT	High @ PDT
3.3 M @ 0220	4.2 M @ 0650
0.4 M @ 1430	4.5 M @ 2200

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

No Surface Water Temperatures Were Recorded.

Sample Date - May 12		
Weather Conditions		Sunny
Sample Site Number and Location		Sample Time (PDT)
Site 1	Dundarave	0915
Site 1A	Ambleside	Not Sampled
Site 2	Jericho	0945
Site 3	Sunset	1030
Site 4	Coal Harbour	1140
Site 5	Portside Park	1215
Site 6	New Brighton	1300
Site 7	Cates Park	1420
Site 8	Woodlands	1500
Site 8A	Deep Cove	Not Sampled
Site 9	Moody Arm West	1535
Site 10	Moody Arm East	1600

Tides At Vancouver	
High @ PDT	Low @ PDT
4.5 M @ 0240	1.6 M @ 0940
3.6 M @ 1550	2.4 M @ 2115

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

The Surface Water Temperature Recorded At Site 5 Portside Park Was 11.0 C.

Table 2 (Cont'd). 1992 Burrard Inlet Sampling Schedule

Sample Date - May 26		
Weather Conditions		Not Recorded
Sample Site Number and Location		Sample Time (PDT)
Site 1	Dundarave	Not Sampled
Site 1A	Ambleside	Not Sampled
Site 2	Jericho	Not Sampled
Site 3	Sunset	Not Sampled
Site 4	Coal Harbour	0940
Site 5	Portside Park	1000
Site 6	New Brighton	1100
Site 7	Cates Park	1140
Site 8	Woodlands	1300
Site 8A	Deep Cove	Not Sampled
Site 9	Moody Arm West	1330
Site 10	Moody Arm East	1350

Tides At Vancouver	
High @ PDT	Low @ PDT
4.2 M @ 0140	2.0 M @ 0855
3.2 M @ 1455	2.7 M @ 1955

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

No Surface Water Temperatures Were Recorded.

Sample Date - June 9		
Weather Conditions		Not Recorded
Sample Site Number and Location		Sample Time (PDT)
Site 1	Dundarave	0908
Site 1A	Ambleside	Not Sampled
Site 2	Jericho	Not Recorded
Site 3	Sunset	1018
Site 4	Coal Harbour	1122
Site 5	Portside Park	1142
Site 6	New Brighton	1230
Site 7	Cates Park	1330
Site 8	Woodlands	1435
Site 8A	Deep Cove	Not Sampled
Site 9	Moody Arm West	1455
Site 10	Moody Arm East	1530

Tides At Vancouver	
High @ PDT	Low @ PDT
4.6 M @ 0110	1.6 M @ 0820
3.4 M @ 1435	2.6 M @ 1935

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

The Surface Water Temperature Recorded At Site 9 Moody Arm West Was 16.0 C.

Sample Date - June 16		
Weather Conditions		Overcast
Sample Site Number and Location		Sample Time (PDT)
Site 1	Dundarave	0910
Site 1A	Ambleside	Not Sampled
Site 2	Jericho	0940
Site 3	Sunset	1020
Site 4	Coal Harbour	1215
Site 5	Portside Park	1245
Site 6	New Brighton	1330
Site 7	Cates Park	1450
Site 8	Woodlands	1520
Site 8A	Deep Cove	Not Sampled
Site 9	Moody Arm West	1550
Site 10	Moody Arm East	1615

Tides At Vancouver	
Low @ PDT	High @ PDT
3.4 M @ 0130	4.0 M @ 0550
0.6 M @ 1325	4.5 M @ 2055

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

The Surface Water Temperature Recorded At Site 8 Woodlands Was 16.5 C.

Table 2 (Cont'd). 1992 Burrard Inlet Sampling Schedule

Sample Date - June 30		
Weather Conditions		Not Recorded
Sample Site Number and Location		Sample Time (PDT)
Site 1	Dundarave	0920
Site 1A	Ambleside	Not Sampled
Site 2	Jericho	0955
Site 3	Sunset	1030
Site 4	Coal Harbour	1130
Site 5	Portside Park	1200
Site 6	New Brighton	1240
Site 7	Cates Park	1400
Site 8	Woodlands	1430
Site 8A	Deep Cove	Not Sampled
Site 9	Moody Arm West	1500
Site 10	Moody Arm East	Not Sampled

Tides At Vancouver	
High @ PDT	Low @ PDT
4.4 M @ 0440	0.2 M @ 1230
4.7 M @ 2000	

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

The Surface Water Temperature Recorded At Site 7 Cates Park Was 16.0 C And At Site 8 Woodlands Was 21.0 C.

Sample Date - August 5		
Weather Conditions		Not Recorded
Sample Site Number and Location		Sample Time (PDT)
Site 1	Dundarave	0930
Site 1A	Ambleside	Not Sampled
Site 2	Jericho	1000
Site 3	Sunset	1020
Site 4	Coal Harbour	1130
Site 5	Portside Park	1145
Site 6	New Brighton	1212
Site 7	Cates Park	1330
Site 8	Woodlands	1350
Site 8A	Deep Cove	Not Sampled
Site 9	Moody Arm West	1425
Site 10	Moody Arm East	Not Recorded

Tides At Vancouver	
Low @ PDT	High @ PDT
1.3 M @ 0610	3.7 M @ 1255
3.0 M @ 1740	4.4 M @ 2330

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

No Surface Water Temperatures Were Recorded.

Sample Date - August 26		
Weather Conditions		Sunny
Sample Site Number and Location		Sample Time (PDT)
Site 1	Dundarave	0944
Site 1A	Ambleside	Not Sampled
Site 2	Jericho	1000
Site 3	Sunset	1030
Site 4	Coal Harbour	Not Sampled
Site 5	Portside Park	1123
Site 6	New Brighton	1150
Site 7	Cates Park	1200
Site 8	Woodlands	1330
Site 8A	Deep Cove	Not Sampled
Site 9	Moody Arm West	1345
Site 10	Moody Arm East	1415

Tides At Vancouver	
Low @ PDT	High @ PDT
4.2 M @ 0350	0.7 M @ 1100
4.5 M @ 1805	2.8 M @ 2340

Tidal Difference	Time @ HHW	Time @ LLW
Port Moody	+ 23 Minutes	- 04 Minutes
Deep Cove	+ 30 Minutes	- 06 Minutes

The Tidal Height Differences For Port Moody and Deep Cove Are Less Than 0.2 Metres.

No Surface Water Temperatures Were Recorded.

Table 3. Burrard Inlet Catch Per Unit Effort 1992

Site 1	Dundarave						
Date	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
Feb 25	*	*	*	*	*	*	*
Mar 03	*	*	*	*	*	*	*
Mar 10	13	1	0	0	0	0	0
Mar 17	19	14	0	0	0	0	0
Mar 24	44	20	0	0	0	0	0
Mar 31	61	130	2	0	0	0	0
Apr 07	8	1	1	0	0	0	0
Apr 14	800	400	0	0	0	0	0
Apr 22	1500	500	0	0	1	0	0
Apr 28	110	150	0	1	0	0	0
May 05	12	64	0	0	0	0	0
May 12	11	8	1	7	0	0	0
May 26	*	*	*	*	*	*	*
Jun 09	0	0	11	21	0	2	4
Jun 16	0	1	25 (2)	17	1	0	0
Jun 30	0	0	18	9	0	0	0
Jul 21	0	0	12	0	3	0	0
Aug 05	0	0	3	0	1	0	0
Aug 26	0	0	0	0	0	0	0

Site 1a	Ambleside						
Date	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
Feb 25	1	0	0	0	0	0	0
Mar 03	2	0	1	0	0	0	0
Mar 10	7	0	0	0	0	0	0
Mar 17	*	*	*	*	*	*	*
Mar 24	*	*	*	*	*	*	*
Mar 31	*	*	*	*	*	*	*
Apr 07	*	*	*	*	*	*	*
Apr 14	*	*	*	*	*	*	*
Apr 22	*	*	*	*	*	*	*
Apr 28	*	*	*	*	*	*	*
May 05	*	*	*	*	*	*	*
May 12	*	*	*	*	*	*	*
May 26	*	*	*	*	*	*	*
Jun 09	*	*	*	*	*	*	*
Jun 16	*	*	*	*	*	*	*
Jun 30	*	*	*	*	*	*	*
Jul 21	*	*	*	*	*	*	*
Aug 05	*	*	*	*	*	*	*
Aug 26	*	*	*	*	*	*	*

Note: * = Site Not Sampled ( ) = Marked Fish In Brackets

Table 3 (Cont'd). Burrard Catch Per Unit Effort 1992

Site 2 Jericho							
Date	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
Feb 25	*	*	*	*	*	*	*
Mar 03	11	0	0	0	0	0	0
Mar 10	12	7	0	0	0	0	0
Mar 17	500	300	0	0	0	0	0
Mar 24	300	300	9	0	0	0	0
Mar 31	1000	1000	1	0	0	0	0
Apr 07	1000	1000	1	0	0	0	0
Apr 14	280	230	23	0	0	0	0
Apr 22	13	31	6	1	1	0	0
Apr 28	4	23	29	2	0	0	0
May 05	0	55	200	6	0	0	0
May 12	2	7	11	0	0	0	0
May 26	*	*	*	*	*	*	*
Jun 09	0	2	7	1	0	0	0
Jun 16	5	13	14	3	1	0	0
Jun 30	0	0	5	1	0	0	0
Jul 21	0	0	16	0	0	0	1
Aug 05	0	0	3	0	1	0	0
Aug 26	0	0	3	0	0	0	0

Site 3 Sunset							
Date	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
Feb 25	*	*	*	*	*	*	*
Mar 03	19	0	0	0	0	0	0
Mar 10	12	4	0	0	0	0	0
Mar 17	38	45	0	0	0	0	0
Mar 24	80	80	1	0	0	0	0
Mar 31	150	95	1	0	0	0	0
Apr 07	47	56	0	0	0	0	0
Apr 14	150	110	2	0	0	0	0
Apr 22	350	30	2	0	1	0	0
Apr 28	30	14	0	5	0	0	0
May 05	80	180	4	0	0	0	0
May 12	3	40	6	0	0	0	0
May 26	*	*	*	*	*	*	*
Jun 09	3	31	4	1 (1)	0	0	0
Jun 16	0	7	3	1	1	0	0
Jun 30	0	0	2	0	0	0	0
Jul 21	0	0	5	0	0	0	1
Aug 05	0	0	6	0	0	0	0
Aug 26	0	0	3	0	0	0	0

Note: * = Not Sampled ( ) = Marked Fish In Brackets

Table 3 (Cont'd). Burrard Inlet Catch Per Unit Effort 1992

Site 4	Coal Harbour						
Date	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
Feb 25	3	0	0	0	0	0	0
Mar 03	69	0	0	0	0	0	0
Mar 10	0	0	0	0	0	0	0
Mar 17	0	0	0	0	0	0	0
Mar 24	58	53	0	0	0	0	0
Mar 31	0	1	0	0	0	0	0
Apr 07	17	3	0	0	0	0	0
Apr 14	680	280	0	0	0	0	0
Apr 22	130	50	0	0	1	0	0
Apr 28	40	11	0	0	0	0	0
May 05	55	128	0	0	0	0	0
May 12	5	30	0	0	0	0	0
May 26	35	50	0	0	0	0	0
Jun 09	8	36	2	0	0	0	0
Jun 16	0	0	1	0	1	0	0
Jun 30	1	1	5	0	0	0	0
Jul 21	0	0	0	0	0	0	1
Aug 05	0	0	0	0	1	0	0
Aug 26	*	*	*	*	*	*	*

Site 5	Portside Park						
Date	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
Feb 25	5	0	0	0	0	0	0
Mar 03	0	1	0	0	0	0	0
Mar 10	29	3	0	0	0	0	0
Mar 17	6	9	0	0	0	0	0
Mar 24	78	100	0	0	0	0	0
Mar 31	113	44	0	0	0	0	0
Apr 07	6	1	0	0	0	0	0
Apr 14	7	2	0	0	0	0	0
Apr 22	175	175	0	1	0	1	0
Apr 28	600	800	0	0	0	0	0
May 05	90	270	1	1	0	0	0
May 12	85	75	4 (1)	82 (1)	0	0	0
May 26	2	4	1	13	1	0	0
Jun 09	40	50	2	5	1	0	0
Jun 16	6	31	6	0	1	0	0
Jun 30	0	5	4	0	0	0	0
Jul 21	0	0	3	0	2	0	0
Aug 05	0	0	1	0	1	0	0
Aug 26	0	0	0	0	0	0	0

Note: * = Not Sampled ( ) = Marked Fish In Brackets

Table 3 (Cont'd). Burrard Inlet Catch Per Unit Effort 1992

Site 6 New Brighton							
Date	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
Feb 25	1	1	3	0	0	0	0
Mar 03	66	0	0	0	0	0	0
Mar 10	1	1	0	0	0	0	0
Mar 17	200	23	0	0	0	0	0
Mar 24	37	20	1	0	0	0	0
Mar 31	70	22	0	0	0	0	0
Apr 07	15	6	4	0	0	0	0
Apr 14	330	90	0	0	0	0	0
Apr 22	130	400	0	0	0	0	0
Apr 28	40	120	0	0	0	0	1
May 05	0	2	0	28	0	0	0
May 12	0	1	1	85	0	0	0
May 26	2	9	0	10	3	0	1
Jun 09	1	15	0	2	0	0	0
Jun 16	1	2	0	0	0	0	0
Jun 30	0	1	2	0	0	0	0
Jul 21	0	0	8	0	1	0	0
Aug 05	0	0	3	0	1	0	0
Aug 26	0	0	0	0	0	0	0

Site 7 Cates Park							
Date	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
Feb 25	2	0	0	0	0	0	0
Mar 03	6	0	0	0	0	0	0
Mar 10	*	*	*	*	*	*	*
Mar 17	43	9	0	0	0	0	0
Mar 24	3	11	0	0	0	0	0
Mar 31	0	9	0	0	0	0	0
Apr 07	65	150	19	0	0	0	0
Apr 14	50	80	0	0	0	0	0
Apr 22	50	350	0	0	0	0	0
Apr 28	15	500	0	0	0	0	1
May 05	7	230	0	7	0	0	0
May 12	10	10	2 (1)	42 (3)	0	0	0
May 26	2	21	1	19 (8)	3	0	0
Jun 09	30	45	8 (2)	0	0	1	0
Jun 16	0	0	4	2	0	0	0
Jun 30	0	0	9 (3)	0	0	0	0
Jul 21	0	0	7	0	1	0	0
Aug 05	0	0	1	0	1	0	0
Aug 26	0	0	0	0	0	0	0

Note: * = Not Sampled ( ) = Marked Fish In Brackets

Table 3 (Cont'd). Burrard Inlet Catch Per Unit Effort 1992

Site 8 Woodlands							
Date	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
Feb 25	*	*	*	*	*	*	*
Mar 03	*	*	*	*	*	*	*
Mar 10	*	*	*	*	*	*	*
Mar 17	165	127	0	0	0	0	0
Mar 24	100	210	1	0	0	0	0
Mar 31	20	60	0	0	0	0	0
Apr 07	53	148	0	0	0	0	0
Apr 14	30	280	0	0	0	0	0
Apr 22	14	380	0	0	0	0	0
Apr 28	1	700	0	0	0	0	1
May 05	0	180	2 (2)	2	0	0	0
May 12	2	35	0	1 (1)	0	0	0
May 26	0	0	0	2 (1)	3	0	0
Jun 09	0	0	0	0	0	0	0
Jun 16	1	18	1 (1)	0	0	0	0
Jun 30	0	0	0	1 (1)	0	0	0
Jul 21	0	0	0	0	1	0	0
Aug 05	0	0	0	0	1	0	0
Aug 26	0	0	0	0	0	0	0

Site 8a Deep Cove							
Date	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
Feb 25	*	*	*	*	*	*	*
Mar 03	7	2	0	0	0	0	0
Mar 10	4	0	0	0	0	0	0
Mar 17	*	*	*	*	*	*	*
Mar 24	*	*	*	*	*	*	*
Mar 31	*	*	*	*	*	*	*
Apr 07	*	*	*	*	*	*	*
Apr 14	*	*	*	*	*	*	*
Apr 22	*	*	*	*	*	*	*
Apr 28	*	*	*	*	*	*	*
May 05	*	*	*	*	*	*	*
May 12	*	*	*	*	*	*	*
May 26	*	*	*	*	*	*	*
Jun 09	*	*	*	*	*	*	*
Jun 16	*	*	*	*	*	*	*
Jun 30	*	*	*	*	*	*	*
Jul 21	*	*	*	*	*	*	*
Aug 05	*	*	*	*	*	*	*
Aug 26	*	*	*	*	*	*	*

Note: * = Not Sampled ( ) = Marked Fish In Brackets

Table 3 (Cont'd). Burrard Inlet Catch Per Unit Effort 1992

Site 9	Moody Arm West						
Date	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
Feb 25	*	*	*	*	*	*	*
Mar 03	*	*	*	*	*	*	*
Mar 10	4	1	0	0	0	0	0
Mar 17	246	50	0	0	0	0	0
Mar 24	45	26	1	0	0	0	0
Mar 31	200	157	1	0	0	0	0
Apr 07	129	115	0	0	0	0	0
Apr 14	180	180	0	0	0	0	0
Apr 22	80	280	1	0	0	0	0
Apr 28	0	280	0	0	0	0	0
May 05	0	12	0	0	0	0	0
May 12	0	12	0	2	0	0	0
May 26	0	1	0	4 (1)	3	1	0
Jun 09	10	16	0	0	0	2	0
Jun 16	0	2	1	0	0	0	1
Jun 30	0	0	2 (1)	1 (1)	0	1	0
Jul 21	0	0	0	0	1	0	0
Aug 05	0	0	0	0	1	0	0
Aug 26	0	0	0	0	0	0	0

Site 10	Moody Arm East						
Date	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
Feb 25	0	0	0	0	0	0	0
Mar 03	*	*	*	*	*	*	*
Mar 10	*	*	*	*	*	*	*
Mar 17	0	6	0	0	0	5	0
Mar 24	4	36	0	0	0	0	0
Mar 31	1	3	0	0	0	0	0
Apr 07	1	1	0	0	0	0	0
Apr 14	0	13	0	0	0	0	0
Apr 22	0	0	0	0	0	0	0
Apr 28	0	7	0	0	0	0	0
May 05	0	17	0	0	0	0	0
May 12	0	0	0	0	0	2	0
May 26	0	2	0	3	0	0	0
Jun 09	0	0	1	0	0	0	0
Jun 16	0	0	3	0	0	3	0
Jun 30	*	*	*	*	*	*	*
Jul 21	0	0	1	0	1	1	0
Aug 05	0	0	0	0	1	1	0
Aug 26	0	0	0	0	0	0	0

Note: * = Not Sampled ( ) = Marked Fish In Brackets

Table 4. Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - February 25/1992

						Mea	n	SD
Site 1 Dundarave								
No Salmonids Caught								
Site 1a Ambleside						39	1	n/a
Pink	39							
Site 4 Coal Harbour						38	3	3
Pink	35	38	41					
Site 5 Portside Park						34	5	1
Pink	33	34	34	35	34			
Site 6 New Brighton								
Pink	28					28	1	n/a
Chum	43					43	1	n/a
Chinook	43	40	42			42	3	2
Site 7 Cates Park						34	2	0
Pink	34	34						
Site 10 Moody Arm East								
No Salmonids Caught								

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - March 3/1992											Mea	n	SD
Site 1 Dundarave													
No Salmonids Caught													
Site 1a Ambleside											35	2	2
Pink	36	33									43	1	n/a
Chinook	43												
Site 2 Jericho											41	11	6
Pink	43	41	43	39	37	31	34	41	50	48	43		
Site 3 Sunset											42	10	7
Pink	53	31	51	48	36	42	36	41	38	42			
Site 4 Coal Harbour											40	10	3
Pink	42	38	34	39	43	46	43	38	39	40			
Site 5 Portside Park											42	1	n/a
Chum	42												
Site 6 New Brighton											37	10	4
Pink	34	38	44	33	39	36	43	34	34	36			
Site 7 Cates Park											35	6	1
Pink	36	34	37	33	35	34							
Site 8a Deep Cove											34	7	1
Pink	32	33	35	33	34	33	36				38	2	1
Chum	38	37											

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - March 10/1992

														Mea	n	SD
Site 1 Dundarave																
Pink	37	43	37	34	34	34	32	36	37	34	31	33	37	35	13	3
Chum	44													44	1	n/a
Site 1a Ambleside																
Pink	35	33	34	36	34	33	33							34	7	1
Site 2 Jericho																
Pink	38	44	44	38	48	34	47	43	42	46	45	38		42	12	4
Chum	41	56	39	40	42	44	38							43	7	6
Site 3 Sunset																
Pink	36	35	39	30	33	33	32	34	32	35	34	37		34	12	2
Chum	44	41	48	42										44	4	3
Site 4 Coal Harbour																
No Salmonids Caught																
Site 5 Portside Park																
Pink	45	37	35	30	33	31	34	35	35	36	39			35	11	4
Chum	40	38	39											39	3	1
Site 6 New Brighton																
Pink	35													35	1	n/a
Chum	35													35	1	n/a
Site 8a Deep Cove																
Pink	35	33	32	34										34	4	1
Site 9 Moody Arm West																
Pink	32	36	35	33										34	4	2
Chum	38													38	1	n/a

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - March 17/1992

																			Mea	n	SD
Site 1 Dundarave																					
Pink	32	34	37	32	32	32	36	34	48	28	32	34	35	36	36	32	32	33	34		
Chum	44	45	43	42	38	41	47	43	43	35	36	42	45	42							
																			34	19	4
																			42	14	3
Site 2 Jericho																					
Pink	53	37	43	31	37	41	37	36													
Chum	43	44	44	47	43	46	42	43	43												
																			39	8	7
																			44	9	2
Site 3 Sunset																					
Pink	33	46	42	34	44	47	52	53	33	42											
Chum	49	44	47	45	42	46	46	53	47												
																			43	10	7
																			47	9	3
Site 4 Coal Harbour																					
No Salmonids Caught																					
Site 5 Portside Park																					
Pink	43	45	43	54	44	42															
Chum	42	46	45	47	47	42	43	42	46												
																			45	6	4
																			44	9	2
Site 6 New Brighton																					
Pink	32	36	35	35	34	35	35	35	34	35	32										
Chum	44	35	42	43	45	41	46														
																			34	11	1
																			42	7	4
Site 7 Cates Park																					
Pink	36	34	35	36	33	32	34	35	34	35	35										
Chum	42	36	39	40	44	43	42	38	39												
																			34	11	1
																			40	9	3
Site 8 Woodlands																					
Pink	No Lengths Taken																				
Chum	No Lengths Taken																				
																			n/a	0	n/a
																			n/a	0	n/a
Site 9 Moody Arm West																					
Pink	36	42	38	34	34	35	39	34	36	33											
Chum	54	55	55	59	39	41	40	41	39	40											
																			36	10	3
																			46	10	8
Site 10 Moody Arm East																					
Chum	43	46	42	38	44	47															
Cutthro	300	300	300	300	300																
																			43	6	3
																			300	5	0

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - March 24/1992

																															Mea	n	SD
Site 1 Dundarave																																	
Pink	34	35	34	32	36	34	36	36	36	37	38	38	36	35	33	37	36	36	36	34	36	36									36	22	2
Chum	45	37	38	37	38	43	40	45	49	47																					42	10	4
Site 2 Jericho																																	
Pink	43	38	34	35	40	43	34	34	33	40	34	34	34	44	40	36	40	35	35	35	40	40	35	38	38	43	33	43	39	47	38	30	4
Chum	47	45	42	43	44	36	45	40	36	42	50	43	42	44	42	44	39	41	42	48	45	51	44	61	56	45	41	41			44	28	5
Chinook	42	43	46	42	41	50	45																								44	7	3
Site 3 Sunset																																	
Pink	39	42	38	37	45	45	32	40	38	48	42	42	43	42	42	35	44	40	33	36	37	37	37	25	34	40	42	41	51	41	40	30	5
Chum	53	47	41	47	51	42	45	42	51	44	47	52	44	49	44	43	39	45	50	45	44	43	44	42	44	44	44	44	43	42	45	30	3
Chinook	47																														47	1	n/a
Site 4 Coal Harbour																																	
Pink	44	40	42	48	42	45	38	49	44	47	41	42	47	42	43	37	44	40	45	37	36	40	45	49	40	38	45	46	50	50	43	30	4
Chum	45	54	45	45	43	44	40	45	44	42	42	44	43	42	45	44	45	44	47	42	41	43	38	40	42	47	46	46	45	48	44	30	3
Site 5 Portside Park																																	
Pink	37	32	42	48	39	37	47	42	36	45	39	37	38	42	44	52	47	37	44	43	44	48	42	35	38	41	42	37	37	41	41	30	5
Chum	43	42	42	46	42	42	46	39	44	42	49	48	44	44	43	42	42	42	47	39	62	41	44	46	40	43	42	42	42	44	44	30	4
Site 6 New Brighton																																	
Pink	33	44	33	34	36	35	33	35	35	34	36	32	36	34	35	35	34	32	32	34	32	36	33	32	29	34	34	35	33		34	29	2
Chum	40	38	39	39	32	40	42	39	43	41	35	41	41	40	42	35	42	34	42												39	19	3
Chinook	43																														43	1	n/a
Site 7 Cates Park																																	
Pink	33	37	34																												35	3	2
Chum	47	42	38	37	39	41	38	40	39	41	41																				40	11	3
Site 8 Woodlands																																	
Pink	31	45	36	37	33	39	35	34	34	34	34	32	33	32	32	30	35	34	33	33	37	32	35	33	29	35	33	31	34	38	34	30	3
Chum	46	39	44	39	39	42	42	42	39	35	42	42	40	39	41	42	43	38	45	39	42	37	36	44	41	43	43	37	36	40	41	30	3
Chinook	No Lengths Taken																														n/a	0	n/a
Site 9 Moody Arm West																																	
Pink	45	32	49	46	36	32	42	42	33	32	44	35	33	42	40	38	32	33	40	33	35	37	34	32	35	33	42	33	33	36	37	30	5
Chum	41	51	39	39	41	41	40	42	40	40	38	41	41	40	42	44	35	36	42	39	37	39	38	43	41						40	25	3
Chinook	49																														49	1	n/a
Site 10 Moody Arm East																																	
Pink	42	42	37																												40	3	3
Chum	49	46	45	46	43	49	43	45	43	43	42	47	42	45	44	44	42	43	42	48	48	44	38	42	38	44	42	43	42	37	44	30	3

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - March 31/1992

																															Mea	n	SD
Site 1 Dundarave																																	
Pink	33	34	37	38	38	40	43	42	41	33	38	40	37	38	39	39	40	35	43	37	35	33	36	35	37	37	39	49			38	28	4
Chum	47	47	46	47	48	53	47	44	44	47	44	48	46	40	41	45	45	46	43	39	48	46	49	44	47	47	42	43	45	44	45	30	3
Chinook	43	45																													44	2	1
Site 2 Jericho																																	
Pink	39	33	36	33	32	35	36	35	35	35	40	40	39	41	35	42	40	33	32	45	32	32	33	37	34	36	33	33	46	33	36	30	4
Chum	45	39	47	40	47	42	43	37	44	46	42	43	44	40	39	47	41	42	42	44	45	41	44	41	38	52	44	42	51	51	43	30	4
Chinook	44																														44	1	n/a
Site 3 Sunset																																	
Pink	32	42	39	33	34	33	35	35	36	34	40	34	36	36	32	34	36	36	37	39	39	39	39	46	37	35	38	43	42	33	37	30	3
Chum	44	38	42	43	44	40	43	44	44	45	52	36	60	40	43	40	49	44	43	43	52	41	51	44	46	42	41	42	46		44	29	5
Chinook	46																														46	1	n/a
Site 4 Coal Harbour																																	
Chum	61																														61	1	n/a
Site 5 Portside Park																																	
Pink	45	32	37	40	43	35	45	43	44	36	38	36	43	37	40	42	44	42	45	38	32	38	33	34	44	43	39	44	44	50	40	30	5
Chum	45	36	44	42	43	45	36	46	60	41	41	40	42	40	45	42	40	44	37	41	43	42	41	41	41	39	40	39	40		42	29	4
Site 6 New Brighton																																	
Pink	37	35	35	35	37	32	33	33	33	32	34	43	30	33	37	32	37	38	33	37	33	32	30	37	42	35	36	33	34	33	35	30	3
Chum	56	39	34	40	38	43	57	42	46	42	42	40	54	38	37	40	37	42	39	42	40	45									42	22	6
Site 7 Cates Park																																	
Chum	43	41	40	35	39	38	52	39	40																						41	9	5
Site 8 Woodlands																																	
Pink	35	34	44	43	35	35	32	34	36	38	35	32	35	34	33	32	39	35	34												36	19	3
Chum	38	40	41	40	42	39	38	40	44	43	38	40	41	40	38	40	42	41	39	42	41	40	34	43	42	42	38	39	42	39	40	30	2
Site 9 Moody Arm West																																	
Pink	48	42	38	42	46	36	36	37	36	36	41	42	40	37	36	40	38	38	42	35	45	36	32	35	35	33	34	40	46	42	39	30	4
Chum	39	38	41	38	42	46	42	42	42	37	42	44	41	42	41	42	42	42	38	40	44	41	44	40	48	45	40	42	40	42	42	30	2
Chinook	51																														51	1	n/a
Site 10 Moody Arm East																																	
Pink	34																														34	1	n/a
Chum	42	45	42																												43	3	2

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Data - April 7/1992

																															Mea	n	SD
Site 1 Dundarave																																	
Pink	34	32	33	34	30	34	31	35																							33	8	2
Chum	53																														53	1	n/a
Chinook	41																														41	1	n/a
Site 2 Jericho																																	
Pink	66	60	51	37	37	46	37	33	35	39	47	39	45	36	50	34	39	40	35	37	32	35	34	37	37	54	34	38	34	34	40	30	8
Chum	39	44	46	42	45	41	47	39	44	43	43	50	54	40	37	48	38	49	41	51	41	41	66	74	49	60	66	55	56	52	48	30	9
Chinook	45																														45	1	n/a
Site 3 Sunset																																	
Pink	36	39	42	43	36	42	37	53	42	36	38	38	43	38	44	34	36	38	40	37	37	35	40	35	35	36	40	38	39	38	39	30	4
Chum	42	42	43	39	43	44	43	44	40	44	42	38	46	45	41	41	44	44	42	42	43	41	40	41	41	39	41	35	39	42	42	30	2
Site 4 Coal Harbour																																	
Pink	36	55	41	37	47	35	37	37	33	47	37	36	37	37	33	36	38														39	17	6
Chum	53	39	58																												50	3	10
Site 5 Portside Park																																	
Pink	35	34	35	36	36	33																									35	6	1
Chum	42																														42	1	n/a
Site 6 New Brighton																																	
Pink	35	35	36	36	35	35	40	36	34	33	35	34	40	37	38																36	15	2
Chum	40	47	43	46	47	62																									48	6	8
Chinook	40	45	41	44																											43	4	2
Site 7 Cates Park																																	
Pink	38	37	38	43	38	37	37	35	39	34	40	41	37	32	37	34	37	35	36	35	38	36	33	38	39	41	34	36	36	39	37	30	2
Chum	44	44	48	42	43	40	39	43	43	45	38	46	40	40	46	45	42	38	47	40	44	44	42	38	40	45	47	43	40	44	43	30	3
Chinook	37	39	39	39	38	40	39	39	43	44	42	43	42	38	36	39	39	38	39												40	19	2
Site 8 Woodlands																																	
Pink	51	45	42	35	42	35	38	40	36	34																					40	10	5
Chum	43	51	43	40	45	45	42	44	41	43	47	49	45	58	60	46	42	41	43	40	38	44	43	60	44	42	39	51	41	48	45	30	6
Site 9 Moody Arm West																																	
Pink	41	40	39	40	40	39	38	40	41	40	37	39	41	42	38	37	40	36	42	36	38	38	45	40	36	37	43	37	36	40	39	30	2
Chum	45	45	50	47	42	46	44	45	43	43	42	49	47	45	42	43	52	44	42	43	43	46	43	40	46	44	42	48	44	40	45	30	3
Site 10 Moody Arm East																																	
Pink	35																														35	1	n/a
Chum	42																														42	1	n/a

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - April 14/1992

																														Mea	n	SD
Site 1 Dunderave																																
Pink	40	34	42	41	40	41	40	38	35	37	37	34	42	40	36	42	48	43	41	40	48	42	39	45	38	50	38	38	36	37	40	30	4
Chum	42	54	39	50	42	55	40	48	46	47	51	37	46	50	44	48	49	50	45	48	45	48	46	43	55	42	43	40	47	48	46	30	5
Site 2 Jericho																																
Pink	41	35	42	42	37	43	43	38	42	43	38	38	37	36	47	36	37	36	44	37	36	44	45	42	39	36	36	37	45	33	40	30	4
Chum	47	42	42	42	42	38	45	44	40	44	55	40	43	47	46	45	63	43	59	47	44	50	45	46	44	42	46	42	45	44	45	30	5
Chinook	53	50	44	50	56	43	43	50	51	43	51	50	48																		49	13	4
Site 3 Sunset																																
Pink	48	47	51	46	43	46	43	38	35	47	45	48	54	48	58	47	44	45	42	49	37	34	39	37	48	42	42	49	50	45	46	30	5
Chum	43	41	53	54	50	46	43	43	41	44	42	40	54	44	46	44	44	56	44	42	40	43	42	46	47	48	43	47	40	57	46	30	5
Chinook	47	41																													44	2	4
Site 4 Coal Harbour																																
Pink	60	53	60	47	56	46	45	48	56	59	42	50	41	55	45	55	40	62	40	42	44	32	50	51	44	42	46	42	44	42	48	30	7
Chum	54	53	52	50	49	44	42	52	56	58	52	49	47	56	57	53	57	61	46	47	57	52	53	48	48	51	54	47	54	43	51	30	5
Site 5 Portside Park																																
Pink	34	46	42	41	42	41	38																								41	7	4
Chum	62	53																													58	2	6
Site 6 New Brighton																																
Pink	34	37	35	36	39	45	40	36	35	42	37	42	34	35	40	44	41	37	37	38	35	42	37	36	36	43	36	34	36	39	38	30	3
Chum	45	40	48	51	44	50	56	44	47	50	42	47	42	48	48	38	39	38	39	47	42	40	41	39	39	43	42	52	47	42	44	30	5
Site 7 Cates Park																																
Pink	46	42	40	39	45	31	39	43	52	45	42	36	38	48	41	42	38	46	46	40	44	44	37	44	42	37	46	40	42	35	42	30	4
Chum	42	43	43	42	38	42	42	41	43	38	37	43	44	40	42	38	40	42	41	42	40	36	42	40	47	43	39	43	51	39	41	30	3
Site 8 Woodlands																																
Pink	40	38	39	42	38	38	42	37	37	43	38	42	40	42	33	46	36	40	35	37	45	40	36	35	35	39	38	40	41	34	39	30	3
Chum	40	40	41	41	39	42	42	40	38	41	44	40	48	41	39	40	42	43	43	40	40	40	41	40	40	40	38	39	40	39	41	30	2
Site 9 Moody Arm West																																
Pink	48	50	44	46	54	42	47	45	42	40	43	52	38	36	35	39	40	42	38	39	40	40	39	32	40	37	41	52	43	34	42	30	5
Chum	44	42	43	50	43	42	48	41	48	45	41	43	40	43	39	42	39	40	50	41	40	40	42	43	43	38	43	50	44	45	43	30	3
Site 10 Moody Arm East																																
Chum	44	42	43	42	40	40	41	36	44	42	37	42	42																		41	13	2

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - April 22/1992

																														Mea	n	SD
Site 1 Dundarave																																
Pink	37	35	32	33	45	35	37	45	32	34	48	36	43	37	38	36	42	33	37	36	36	38	42	36	33	42	32	34	37	36	37	30	4
Chum	42	42	48	39	41	57	41	43	46	42	48	43	39	39	49	39	42	38	38	42	41	42	39	39	42	43	37	39	39	42	42	30	4
Sockey	No Lengths Taken																														n/a	0	n/a
Site 2 Jericho																																
Pink	41	42	37	63	36	38	36	42	42	37	41	37	34																		40	13	7
Chum	49	47	43	39	58	38	52	58	52	45	50	52	59	40	55	42	53	42	40	58	38	45	42	38	44	38	48	42	37	53	47	30	7
Chinook	49	56	60	53	63	53																									56	6	5
Coho	No Lengths Taken																														n/a	0	n/a
Sockey	No Lengths Taken																														n/a	0	n/a
Site 3 Sunset																																
Pink	36	50	41	40	38	42	41	37	40	36	36	34	37	38	42	46	34	54	48	37	34	43	33	38	44	42	39	40	38	35	40	30	5
Chum	47	43	39	42	37	55	40	49	47	42	40	47	38	38	40	42	39	41	37	38	40	43									42	22	5
Chinook	51	61																													56	2	7
Sockey	No Lengths Taken																														n/a	0	n/a
Site 4 Coal Harbour																																
Pink	50	46	43	43	41	44	50	53	45	42	42	37	44	42	42	40	41	41	41	52	43	47	47	45	43	48	42	47	48	40	44	30	4
Chum	41	42	50	39	48	51	52	40	46	43	51	44	42	45	45	43	40	46	44	44	48	43	43	47	52	50	49	42	50	43	45	30	4
Sockey	No Lengths Taken																														n/a	0	n/a
Site 5 Portside Park																																
Pink	53	47	36	40	54	33	42	42	37	41	39	48	43	38	43	60	40	42	42	45	44	50	47	48	53	42	39	42	43		44	29	6
Chum	42	43	39	42	43	47	42	43	38	49	48	46	46	42	52	42	42	44	41	42	43	42	43	42	42	51	43	41	42	53	44	30	4
Coho	No Lengths Taken																														n/a	0	n/a
Cutthro	No Lengths Taken																														n/a	0	n/a
Site 6 New Brighton																																
Pink	37	41	40	42	37	33	39	35	43	37	40	36	32	32	37	36	42	39	40	40	36	38	46	40	40	37	42	38	40	37	38	30	3
Chum	45	40	46	42	43	42	43	42	42	43	43	46	44	39	42	38	43	44	44	39	44	43	43	39	42	43	42	39	42	44	42	30	2
Site 7 Cates Park																																
Pink	35	39	37	36	45	36	33	34	34	32	34	32	34	41	36	34	31	33	32	33	37	35	43	55	34	35					36	26	5
Chum	42	42	42	42	41	42	40	43	41	38	48	37	43	37	38	41	37	40	40	37	36	40	41	43	37	39	36	40	38	36	40	30	3
Site 8 Woodlands																																
Pink	44	36	37	42	39	34	39	39	43	36	38	47	45	38																	40	14	4
Chum	38	38	37	42	37	37	34	33	41	40	39	37	37	38	42	42	40	37	38	41	39	37	42	40	41	40	38	42	41	37	39	30	2
Site 9 Moody Arm West																																
Pink	42	39	40	48	42	49	47	54	58	37	42	35	49	50	46	47	46	48	39	43	40	42	46	48	43	46	43	58	63	48	46	30	6
Chum	45	47	40	46	41	43	47	41	43	39	38	42	40	42	37	48	44	42	45	42	41	41	48	40	44	43	51	52	42	39	43	30	4
Chinook	No Lengths Taken																														n/a	0	n/a
Site 10 Moody Arm East																																
No Salmonids Caught																																

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - April 28/1992

																													Mean	n	SD
Site 1 Dundarave																															
Pink	55	41	40	37	41	49	47	52	51	42	46	44	45	54	38	55	42	40	42	44	41	40	42	39	48	39	39	40	38	48	44	30	5
Chum	41	48	47	52	48	48	45	53	47	44	44	51	43	43	46	43	41	48	42	46	45	38	45	44	45	14	42	39	48	49	46	30	3
Coho	No Lengths Taken																														n/a	0	n/a
Site 2 Jericho																															41	4	5
Pink	38	36	46	44																											44	23	4
Chum	45	44	42	44	41	47	42	46	41	44	39	48	43	43	41	44	45	44	47	52	42	54	40								60	29	5
Chinook	58	61	63	41	53	62	62	62	63	52	57	61	60	61	66	57	69	61	61	63	64	62	59	61	55	62	53	62	67		n/a	0	n/a
Coho	No Lengths Taken																																
Site 3 Sunset																															42	30	8
Pink	44	32	38	37	37	41	33	54	42	36	40	44	38	46	66	41	32	35	63	44	46	44	39	40	41	44	42	36	42	40	44	14	2
Chum	44	42	44	43	47	41	42	43	44	46	47	43	44	41																	n/a	0	n/a
Coho	No Lengths Taken																																
Site 4 Coal Harbour																															40	30	5
Pink	44	52	43	44	39	37	38	37	42	47	45	45	41	35	38	43	37	42	34	41	33	36	46	34	31	42	38	38	43	42	44	10	3
Chum	48	42	47	44	45	48	46	41	41	42																							
Site 5 Portside Park																															46	30	4
Pink	52	50	42	50	44	46	46	48	38	52	49	48	47	43	44	44	44	43	49	42	39	38	44	48	46	51	48	48	47	42	45	30	3
Chum	44	48	46	48	42	44	42	44	45	47	49	57	46	48	49	46	44	48	41	46	38	46	47	43	42	44	46	48	43	43			
Site 6 New Brighton																															47	30	6
Pink	52	50	52	48	51	49	42	50	41	46	41	36	41	38	54	46	52	39	58	52	52	48	44	55	39	51	48	53	35	51	44	30	3
Chum	41	41	43	44	48	46	47	49	48	46	39	43	43	43	44	38	47	41	43	41	46	44	43	44	40	49	40	42	45	44	n/a	0	n/a
Steelhead	No Lengths Taken																																
Site 7 Cates Park																															39	10	4
Pink	42	39	39	31	43	41	38	43	41	35																					41	30	3
Chum	41	40	38	37	42	41	38	44	40	39	44	51	39	41	40	44	39	38	38	43	39	42	40	44	43	42	42	43	39	42	n/a	0	n/a
Steelhead	No Lengths Taken																																
Site 8 Woodlands																															38	1	n/a
Pink	38																														40	30	2
Chum	40	42	40	43	43	42	39	38	43	38	42	37	37	39	38	42	40	44	39	42	38	41	39	39	43	40	39	38	37	40	n/a	0	n/a
Steelhead	No Lengths Taken																																
Site 9 Moody Arm West																															43	30	3
Chum	42	43	44	43	44	42	42	41	42	51	48	45	42	44	39	49	45	43	43	41	40	41	44	42	47	40	42	43	43	40			
Site 10 Moody Arm East																															48	7	6
Chum	52	48	45	58	44	42	44																										

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - May 5/1992

																														Mean	n	SD
Site 1 Dundarave																																
Pink	47	50	44	35	53	45	44	48	54	35	48	46																		46	12	6
Chum	44	47	54	48	46	41	41	48	45	45	55	42	42	47	48	47	40	47	46	49	44	45	52	40	46	39	51	48	47	46	46	30	4
Site 2 Jericho																																
Chum	44	46	39	61	41	48	46	43	44	47	49	42	48	44	41	40	39	40	38	45	39	38	46	48	47	36	52	38	40	48	44	30	5
Chinook	59	68	62	60	60	60	58	58	64	63	55	54	59	77	68	59	72	79	63	70	67	62	67	62	60	60	65	69	63	62	63	30	6
Coho	90	105	97	144	102	91																									105	6	20
Site 3 Sunset																																
Pink	42	38	33	35	33	39	37	34	36	37	33	34	37	35	33	36	37	38	37	36	39	37	37	42	34	36	36	51	35	35	37	30	4
Chum	38	40	49	40	38	40	39	42	43	41	42	39	44	38	39	39	38	42	44	38	39	38	40	48	39	42	45	39	44	38	41	30	3
Chinook	75	65	56	61																											64	4	8
Site 4 Coal Harbour																																
Pink	48	43	38	42	44	42	38	38	42	44	49	45	40	42	42	47	40	49	44	42	43	44	38	44	43	44	45	54	44	39	43	30	4
Chum	43	44	43	44	45	40	47	45	45	48	44	41	45	40	44	41	40	39	41	42	46	41	41	46	45	46	44	41	41	44	43	30	2
Site 5 Portside Park																																
Pink	37	36	41	40	42	44	42	42	44	44	39	44	32	42	39	39	41	36	39	47	34	36	37	41	36	39	43	46	45	39	40	30	4
Chum	46	39	45	47	48	40	43	40	41	45	46	39	46	41	41	40	46	47	42	43	42	44	44	43	44	48	40	42	47	45	43	30	3
Chinook	97																														97	1	n/a
Coho	105																														105	1	n/a
Site 6 New Brighton																																
Chum	39	34																													37	2	4
Coho	134	128	94	115	122	131	116	135	140	128	135	132	119	128	86	132	129	137	132	120	90	145	129	170	132	129	38	35			120	28	29
Site 7 Cates Park																																
Pink	47	41	40	39	38	39	40																								41	7	3
Chum	41	40	41	47	44	42	41	41	40	40	44	41	42	40	43	39	38	39	42	37	39	41	40	42	42	39	39	38	37	40	41	30	2
Coho	116	128	90	134	108	110	119																								115	7	14
Site 8 Woodlands																																
Chum	42	39	39	41	40	42	40	39	41	38	39	41	38	40	42	38	38	41	41	40	38	40	40	39	43	42	41	45	41	42	40	30	2
Chinook	(85)	(90)																													88	2	4
Coho	108	105																													107	2	2
Site 9 Moody Arm West																																
Chum	45	43	48	43	43	48	42	42	46	41	43	45																			44	12	2
Site 10 Moody Arm East																																
Chum	48	43	42	41	38	43	44	43	43	45	39	43	41	43	43	41	42														42	17	2

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - May 12/1992

																															Mean	n	SD
Site 1 Dundarave																																	
Pink	47	47	51	62	45	34	33	41	39	34	32																				42	11	9
Chum	57	48	52	65	52	53	56	73																							57	8	8
Chinook	66																														66	1	n/a
Coho	No Lengths Taken																														n/a	0	n/a
Site 2 Jericho																																	
Pink	37	39																													38	2	1
Chum	40	40	39	40	45	34	43																								40	7	3
Chinook	64	57	77	41	65	65	67	67	70	69	71																				67	11	11
Site 3 Sunset																																	
Pink	35	33	35																												34	3	1
Chum	68	70	72	73	69	69	58	50	40	39	52	66	60	65	39	59	53	64	65	64	59	67	37	65	66	57	71	73	44	75	60	30	11
Chinook	71	104	72	67	63	66																									74	6	15
Site 4 Coal Harbour																																	
Pink	36	45	40	45	33																										40	5	5
Chum	43	46	45	40	48	43	43	44	45	44	44	37	38	44	43	39	45	46	44	36	43	39	43	37	51	43	40	42	39	47	43	30	4
Site 5 Portside Park																																	
Pink	45	52	49	49	46	53	52	51	51	48	46	49	53	51	49	50	45	53	48	50	46	56	51	51	47	50	46	54	47	53	50	30	3
Chum	47	47	47	47	44	45	50	44	50	44	49	45	52	46	60	46	46	43	45	45	48	52	43	52	54	46	42	47	48	52	48	30	4
Chinook	(71)	80	71	70																											73	4	5
Coho	(103)	135	92	113	101	103	101	102	108	124	118	83	97	123	117	143															110	16	16
Site 6 New Brighton																																	
Chum	42																														42	1	n/a
Chinook	102																														102	1	n/a
Coho	140	97	99	137	99	143	98	140	92	93	139	112	102	140	87	80	100	97	81	89	87	98	85	101	132	126	127	139	132	137	111	30	22
Site 7 Cates Park																																	
Pink	33	39	52	43	35	34	34	35	46	39																					39	10	6
Chum	43	43	50	42	39	40	43	41	42	48																					43	10	3
Chinook	(68)	47																													58	2	15
Coho	(76)	(76)	(80)	95	79	88	87	69	76	98	82	78	67	124																	84	14	14
Site 8 Woodlands																																	
Pink	50	52																													51	2	1
Chum	39	40	40	45	43	40	42	40	41	41	44	40	38	39	44	41	41	39	41	43	42	45	39	43	42	54	43	43	40	40	42	30	3
Coho	(63)																														63	1	n/a
Site 9 Moody Arm West																																	
Chum	42	43	42	45	41	45	48	44	46	41	40	44																			43	12	2
Coho	82	139																													111	2	40
Site 10 Moody Arm East																															n/a	0	n/a
Cutthroat	No Lengths Taken																																

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - May 26/1992

																													Mean	n	SD
Site 4 Coal Harbour																															
Pink	40	46	46	42	41	43	40	47	41	53	48	35	44	37	43	46	40	40	41	40	39	41	38	45	44	42	41	38	42	40	42	30	4
Chum	54	47	47	48	41	45	48	40	47	52	53	50	49	55	45	49	49	42	48	51	48	48	50	46	51	48	42	51	47	45	48	30	4
Site 5 Portside Park																															
Pink	57	48																													53	2	6
Chum	55	55	45	45																											50	4	6
Chinook	106																														106	1	n/a
Coho	125	110	110	115	85	135	120	115	110	110	112	95	118																		112	13	12
Sockeye	75																														75	1	n/a
Site 6 New Brighton																															
Pink	56	60																													58	2	3
Chum	57	55	53	55	58	57	59	58	55																						56	9	2
Coho	95	88	89	95	91	84	83	82	JP	93																					89	10	5
Sockeye	75	85	91																												84	3	8
Steelhead	120																														120	1	n/a
Site 7 Cates Park																															
Pink	44	36																													40	2	6
Chum	44	45	43	46	51	44	48	47	49	44	49	49	55	43	49	47	43	48	45	40											46	20	3
Chinook	No Lengths Taken																														n/a	0	n/a
Coho	(85)	(92)	(87)	(70)	(82)	(89)	(87)	(94)	119	88	80	89	85	86	75	73	75	81	79												85	19	11
Steelhead	No Lengths Taken																														n/a	0	n/a
Site 8 Woodlands																															
Coho	(80)	76																													78	2	3
Sockeye	No Lengths Taken																														n/a	0	n/a
Site 9 Moody Arm West																															
Chum	54																														54	1	n/a
Coho	(82)	82	88	83																											84	4	3
Sockeye	No Lengths Taken																														n/a	0	n/a
Cutthroat	139																														139	1	n/a
Site 10 Moody Arm East																															
Chum	55	58																													57	2	2
Coho	57	99	86																												81	3	22

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - June 9/1992

																														Mean	n	SD
Site 1 Dundarave																																
Chinook	72	72	72	93	72	90	85	93	81	79	74																			80	11	9
Coho	95	112	121	125	138	112	121	92	86	94	95	83	137	98	122	84	87	128	114	87	91									106	21	18
Cutthroat	175	126																												151	2	35
Steelhead	165	170	127	175																										159	4	22
Site 2 Jericho																																
Chum	47	62																												55	2	11
Chinook	74	74	63	81	79	72	73																							74	7	6
Coho	106																													106	1	n/a
Site 3 Sunset																																
Pink	64	65	68																											66	3	2
Chum	49	52	50	49	50	49	53	50	51	53	48	61	60	49	49	52	52	51	67	51	53	58	49	50	59	55	48	48	61	61	53	30	5
Chinook	85	73	110	68																										84	4	19
Coho	(127)																													127	1	n/a
Site 4 Coal Harbour																																
Pink	56	55	50	53	54	51	52	55																						53	8	2
Chum	42	54	57	58	56	56	53	51	56	51	51	50	50	43	52	53	58	58	52	51	63	51	52	46	55	52	51	49	40	43	52	30	5
Chinook	80	72																												76	2	6
Site 5 Portside Park																																
Pink	70	70	64	65	70	62	65	75	70	63	62	61	58	64	69	58	65	67	65	66	63	64	63	65	62	68	66	72	66	62	65	30	4
Chum	51	68	50	60	63	60	61	53	60	54	56	45	73	62	58	62	51	56	52	61	61	63	62	69	57	69	61	72	62	63	61	30	5
Chinook	115	70																												93	2	32
Coho	126	113	117	109	114																									116	5	6
Sockeye	88																													88	1	n/a
Site 6 New Brighton																																
Pink	54																													54	1	n/a
Chum	58	57	61	61	54	68	62	61	48	54	54	62	56	58	53															58	15	5
Coho	98	95																												97	2	2
Site 7 Cates Park																																
Pink	55	64	65	65	66	65	65	60	57	57	61	55	66	66	61	55	59	60	50	58	65	60	60	59	55	66	67	60	62	55	61	30	4
Chum	66	53	54	60	55	65	57	63	49	52	53	54	61	57	68	58	64	62	48	67	62	60	64	55	59	58	61	48	60	53	58	30	6
Chinook	(85)	(97)	92	76	90	97	75	73																						86	8	10
Cutthroat	160																													160	1	n/a
Site 8 Woodlands																																
No Salmonids Caught																																
Site 9 Moody Arm West																																
Pink	68	68	66	67	63	58	68	60	61	61																				64	10	4
Chum	66	58	61	63	67	63	62	59	64	59	66	58	63	63	60	58														62	16	3
Cutthroat	200	149																												175	2	36
Site 10 Moody Arm East																																
Chinook	No Lengths Taken																													n/a	0	n/a

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - June 16/1992

																											Mean	n	SD
Site 1 Dundarave																													
Chum	58																										58	1	n/a
Chinook	(85)	(92)	114	111	92	83	79	78	87	95	93	85	107	83	76	78	100	81	86	94	110	76	82	79	78		89	25	12
Coho	78	91	108	108	95	84	95	82	98	114	83	84	73	78	94	78	86										90	17	12
Sockeye	94																										94	1	n/a
Site 2 Jericho																													
Pink	79	74	81	97	88																						84	5	9
Chum	56	73	79	76	87	77	78	65	77	73	76	90	79														76	13	9
Chinook	78	88	77	88	88	83	81	88	91	88	83	80	82	85													84	14	4
Coho	83	84	75																								81	3	5
Sockeye	82																										82	1	n/a
Site 3 Sunset																													
Chum	55	61	70	65	62	72	55																				63	7	7
Chinook	71	74	106																								84	3	19
Coho	71																										71	1	n/a
Sockeye	No Lengths Taken																										n/a	0	n/a
Site 4 Coal Harbour																													
Chinook	85																										85	1	n/a
Sockeye	No Lengths Taken																										n/a	0	n/a
Site 5 Portside Park																													
Pink	64	72	68	66	71	71																					69	6	3
Chum	55	61	61	61	69	61	64	55	65	55	60	62	49	74	56	58	68	78	64	67	65	54	57	59	54	62	53	64	68	67	62	30	6
Chinook	88	85	88	118	105	73																									93	6	16
Sockeye	79																														79	1	n/a
Site 6 New Brighton																													
Pink	72																														72	1	n/a
Chum	80	73																													77	2	5
Site 7 Cates Park																													
Chinook	78	109	79	72																											85	4	17
Coho	127	70																													99	2	40
Site 8 Woodlands																													
Pink	72																														72	1	n/a
Chum	81	77	72	71	79	73	76	75	96	75	77	92	84	73	83	76	75	75													78	18	7
Chinook	(91)																														91	1	n/a
Site 9 Moody Arm West																													
Chum	65	59																													62	2	4
Chinook	98																														98	1	n/a
Steelhead	126																														126	1	n/a
Site 10 Moody Arm East																													
Chinook	92	115	108																												105	3	12
Cutthroat	155	165	150																												157	3	8

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - June 30/1992

																		Mean	n	SD
Site 1 Dundarave																				
Chinook	100	90	98	88	98	87	88	82	80	118	116	98	94	105	86	85	88	91	94	18	11
Coho	95	91	94	101	104	103	91	111	118										101	9	9
Site 2 Jericho																				
Chinook	99	97	98	83	87														93	5	7
Coho	92																		92	1	n/a
Site 3 Sunset																				
Chinook	78	85																	82	2	5
Site 4 Coal Harbour																				
Pink	87																		87	1	n/a
Chum	74																		74	1	n/a
Chinook	104	104	109	114	106														107	5	4
Site 5 Portside Park																				
Chum	74	67	72	63	62														68	5	5
Chinook	94	111	85	106															99	4	12
Site 6 New Brighton																				
Chum	83																		83	1	n/a
Chinook	84	79																	82	2	4
Site 7 Cates Park																				
Chinook	(79)	(69)	(95)	114	84	92	114	85	99										91	9	16
Site 8 Woodlands																				
Coho	(74)																		74	1	n/a
Site 9 Moody Arm West																				
Chinook	(77)	92																	85	2	11
Coho	(79)																		79	1	n/a
Cutthroat	186																		186	1	n/a
Site 10 Moody Arm East																				
No Salmonids Caught																				

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - July 21/1992

																	Mean	n	SD
Site 1 Dundarave																			
Chinook	99	94	81	94	82	91	95	103	89	92	90	85					91	12	6
Sockeye	77	81	85														81	3	4
Site 2 Jericho																			
Chinook	93	92	96	91	120	92	84	93	100	85	87	105	98	90	91	96	95	16	9
Steelhead	104																104	1	n/a
Site 3 Sunset																			
Chinook	95	84	75	86	91												86	5	8
Steelhead	No Lengths Taken																n/a	0	n/a
Site 4 Coal Harbour																			
Steelhead	No Lengths Taken																n/a	0	n/a
Site 5 Portside Park																			
Chinook	101	92	99														97	3	5
Sockeye	72	89															81	2	12
Site 6 New Brighton																			
Chinook	107	103	95	102	91	92	89	91									96	8	7
Sockeye	93																93	1	n/a
Site 7 Cates Park																			
Chinook	113	104	109	111	108	104											108	6	4
Sockeye	No Lengths Taken																n/a	0	n/a
Site 8 Woodlands																			
Sockeye	No Lengths Taken																n/a	0	n/a
Site 9 Moody Arm West																			
Sockeye	No Lengths Taken																n/a	0	n/a
Site 10 Moody Arm East																			
Chinook	115																115	1	n/a
Sockeye	No Lengths Taken																n/a	0	n/a
Cutthroat	170																170	1	n/a

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - August 5/1992							Mean	n	SD
Site 1 Dundarave							105	3	8
Chinook	111	107	96				n/a	0	n/a
Sockeye	No Lengths Taken								
Site 2 Jericho							97	3	7
Chinook	104	91	97				81	1	n/a
Sockeye	81								
Site 3 Sunset							94	6	9
Chinook	94	99	101	86	103	82			
Site 4 Coal Harbour							n/a	0	n/a
Sockeye	No Lengths Taken								
Site 5 Portside Park							96	1	n/a
Chinook	96						n/a	0	n/a
Sockeye	No Lengths Taken								
Site 6 New Brighton							102	3	22
Chinook	111	77	119				n/a	0	n/a
Sockeye	No Lengths Taken								
Site 7 Cates Park							94	1	n/a
Chinook	94						n/a	0	n/a
Sockeye	No Lengths Taken								
Site 8 Woodlands							n/a	0	n/a
Sockeye	No Lengths Taken								
Site 9 Moody Arm West							n/a	0	n/a
Sockeye	No Lengths Taken								
Site 10 Moody Arm East							n/a	0	n/a
Sockeye	No Lengths Taken						n/a	0	n/a
Cutthroat	No Lengths Taken								

Table 4 (Cont'd). Burrard Inlet Salmonid Length (mm) Data 1992

Sample Date - August 26/1992

				Mean	n	SD
Site 1 Dundarave						
No Salmonids Caught						
Site 2 Jericho						
Chinook	115	110	125	117	3	8
Site 3 Sunset						
Chinook	83	120	110	104	3	19
Site 5 Portside Park						
No Salmonids Caught						
Site 6 New Brighton						
No Salmonids Caught						
Site 7 Cates Park						
No Salmonids Caught						
Site 8 Woodlands						
No Salmonids Caught						
Site 9 Moody Arm West						
No Salmonids Caught						
Site 10 Moody Arm East						
No Salmonids Caught						

Table 5. 1992 Fraser River Pink Salmon Fry Out-Migration Estimates Based On The Mission Downstream Sampling Program

Sampling Date	Daily Abundance	Cumulative Abundance
Estimate Prior To	20-Feb	1,150,000
20-Feb	180,000	1,330,000
21-Feb	190,000	1,520,000
22-Feb	250,000	1,770,000
23-Feb	300,000	2,070,000
24-Feb	360,000	2,430,000
25-Feb	410,000	2,840,000
26-Feb	580,000	3,420,000
27-Feb	740,000	4,160,000
28-Feb	910,000	5,070,000
29-Feb	950,000	6,020,000
01-Mar	990,000	7,010,000
02-Mar	1,040,000	8,050,000
03-Mar	700,000	8,750,000
04-Mar	360,000	9,110,000
05-Mar	660,000	9,770,000
06-Mar	970,000	10,740,000
07-Mar	1,100,000	11,840,000
08-Mar	1,240,000	13,080,000
09-Mar	1,370,000	14,450,000
10-Mar	1,340,000	15,790,000
11-Mar	1,320,000	17,110,000
12-Mar	1,600,000	18,710,000
13-Mar	1,880,000	20,590,000
14-Mar	2,670,000	23,260,000
15-Mar	3,460,000	26,720,000
16-Mar	4,250,000	30,970,000
17-Mar	3,740,000	34,710,000
18-Mar	3,220,000	37,930,000
19-Mar	4,890,000	42,820,000
20-Mar	6,550,000	49,370,000
21-Mar	6,270,000	55,640,000
22-Mar	5,990,000	61,630,000
23-Mar	5,700,000	67,330,000
24-Mar	6,790,000	74,120,000
25-Mar	7,880,000	82,000,000
26-Mar	8,750,000	90,750,000
27-Mar	9,610,000	100,360,000
28-Mar	8,170,000	108,530,000
29-Mar	6,720,000	115,250,000
30-Mar	9,500,000	124,750,000
31-Mar	12,270,000	137,020,000
01-Apr	11,180,000	148,200,000
02-Apr	10,080,000	158,280,000
03-Apr	25,090,000	183,370,000
04-Apr	40,100,000	223,470,000
05-Apr	32,580,000	256,050,000

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Table 5 (Cont'd). 1992 Fraser River Pink Salmon Fry Out-Migration Estimates Based On The Mission Downstream Sampling Program

Sampling Date	Daily Abundance	Cumulative Abundance
06-Apr	25,060,000	281,110,000
07-Apr	20,890,000	302,000,000
08-Apr	16,710,000	318,710,000
09-Apr	25,140,000	343,850,000
10-Apr	20,420,000	364,270,000
11-Apr	15,000,000	379,270,000
12-Apr	33,110,000	412,380,000
13-Apr	23,700,000	436,080,000
14-Apr	14,290,000	450,370,000
15-Apr	15,740,000	466,110,000
16-Apr	17,180,000	483,290,000
17-Apr	14,500,000	497,790,000
18-Apr	11,810,000	509,600,000
19-Apr	16,050,000	525,650,000
20-Apr	20,290,000	545,940,000
21-Apr	13,150,000	559,090,000
22-Apr	6,020,000	565,110,000
23-Apr	6,220,000	571,330,000
24-Apr	6,420,000	577,750,000
25-Apr	5,160,000	582,910,000
26-Apr	3,900,000	586,810,000
27-Apr	20,670,000	607,480,000
28-Apr	37,440,000	644,920,000
29-Apr	21,700,000	666,620,000
30-Apr	5,970,000	672,590,000
01-May	3,850,000	676,440,000
02-May	1,730,000	678,170,000
03-May	1,940,000	680,110,000
04-May	2,150,000	682,260,000
05-May	1,880,000	684,140,000
06-May	1,610,000	685,750,000
07-May	2,130,000	687,880,000
08-May	2,650,000	690,530,000
09-May	1,930,000	692,460,000
10-May	1,210,000	693,670,000
11-May	490,000	694,160,000
12-May	490,000	694,650,000
13-May	480,000	695,130,000
14-May	480,000	695,610,000
15-May	470,000	696,080,000
16-May	390,000	696,470,000
17-May	320,000	696,790,000
18-May	240,000	697,030,000
19-May	160,000	697,190,000
********	End of Sampling Program	********

Table 6. 1983-1992 Escapement Data For Salmonid Bearing Streams Flowing into Burrard Inlet

90-XXXX Beaver Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983-1992	**********		No Escapement Data Available			**********	

90-XXXX Simon Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983-1992	**********		No Escapement Data Available			**********	

90-XXXX Spanish Banks Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983-1992	**********		No Escapement Data Available			**********	

90-XXXX Schoolhouse Creek (Port Moody)	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983-1992	**********		No Escapement Data Available			**********	

90-XXXX Sutterbrook Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983-1992	**********		No Escapement Data Available			**********	

90-0300 Noons Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
Prior To 1984	**********		No Escapement Data Available			**********	
1984	0	0	0	300	0	UNK	UNK
1985	0	0	0	300	0	UNK	UNK
1986	0	0	0	186	0	UNK	UNK
1987	0	0	0	62	0	UNK	UNK
1988	0	0	0	110	0	UNK	UNK
1989	UNK	UNK	UNK	400	UNK	UNK	UNK
1990	UNK	UNK	UNK	175	UNK	UNK	UNK
1991	UNK	6	UNK	8	UNK	UNK	UNK
1992	0	20	0	20	0	UNK	UNK
1988-92 Average	0	9	0	143	0	N/A	N/A

90-XXXX Wilkes Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983-1992	**********		No Escapement Data Available			**********	

90-0320 Mossom Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
Prior To 1984	**********		No Escapement Data Available			**********	
1984	0	60	0	10	0	UNK	UNK
1985	0	275	0	0	0	UNK	UNK
1986	UNK	UNK	UNK	UNK	UNK	UNK	UNK
1987	0	376	0	0	0	UNK	UNK
1988	0	750	0	1	0	UNK	UNK
1989	UNK	500	UNK	50	UNK	UNK	UNK
1990	UNK	UNK	UNK	UNK	UNK	UNK	UNK
1991	UNK	435	UNK	12	UNK	UNK	UNK
1992	0	1000	0	0	0	UNK	UNK
1988-92 Average	0	671	0	16	0	N/A	N/A

90-XXXX Schoolhouse Creek (IOCO)	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983-1992	**********		No Escapement Data Available			**********	

Table 6 (Cont'd).
1983-1992 Escapement Data For Salmonid Bearing Streams Flowing Into Burrard Inlet

90-0390 Richards Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983	UNK	UNK	UNK	UNK	UNK	UNK	UNK
1984	0	0	0	30	0	UNK	UNK
1985	0	0	14	27	0	UNK	UNK
1986	0	0	12	24	0	UNK	UNK
1987	0	0	8	16	0	UNK	UNK
1988	0	0	1	28	0	UNK	UNK
1989	UNK	UNK	125	10	UNK	UNK	UNK
1990	UNK	UNK	9	0	UNK	UNK	UNK
1991	UNK	UNK	4	UNK	UNK	UNK	UNK
1992	0	0	20	0	0	UNK	UNK
1988-92 Average	0	0	32	10	0	N/A	N/A

90-0500 Indian River	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983	24000	26000	70	700	16	70	55
1984	0	30000	100	600	12	UNK	180
1985	10000	30000	200	500	24	UNK	0
1986	0	32000	82	1200	0	UNK	UNK
1987	35000	31000	50	375	12	UNK	UNK
1988	0	30000	100	700	0	UNK	UNK
1989	38000	14000	375	800	UNK	UNK	UNK
1990	UNK	43000	245	450	UNK	UNK	UNK
1991	103000	24000	106	350	UNK	UNK	UNK
1992	0	36000	120	400	0	UNK	UNK
1988-92 Average	*70500	29400	189	540	0	N/A	N/A

Note: * = Odd Year Average (No Pinks Observed In Even Years)

90-0690 McCartney Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983	0	0	0	13	0	UNK	UNK
1984	0	0	0	39	0	UNK	UNK
1985	0	0	0	22	0	UNK	UNK
1986	0	7	0	11	0	UNK	UNK
1987	0	0	0	76	0	UNK	UNK
1988	UNK	UNK	UNK	UNK	UNK	UNK	UNK
1989	UNK	UNK	UNK	7	UNK	UNK	UNK
1990	UNK	UNK	UNK	UNK	UNK	UNK	UNK
1991	UNK	0	UNK	3	UNK	UNK	UNK
1992	0	0	0	8	0	UNK	UNK
1988-92 Average	0	0	0	6	0	N/A	N/A

90-0700 Seymour River	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983	1000	500	300	14000	0	UNK	550
1984	0	600	280	13000	0	UNK	0
1985	UNK	170	35	6500	0	UNK	0
1986	0	400	150	7800	0	UNK	UNK
1987	1200	6800	0	3150	0	UNK	UNK
1988	0	300	12	4700	0	UNK	UNK
1989	275	150	102	4650	UNK	UNK	UNK
1990	UNK	409	52	5950	UNK	UNK	UNK
1991	2780	2240	85	4300	UNK	UNK	UNK
1992	0	175	25	3500	0	UNK	UNK
1988-92 Average	*764	655	55	4620	0	N/A	N/A

Note: * = Odd Year Average (No Pinks Observed In Even Years)

Table 6 (Cont'd).
1983-1992 Escapement Data For Salmonid Bearing Streams Flowing Into Burrard Inlet

90-0700-100

Maplewood Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983	0	6	0	21	0	UNK	UNK
1984	0	14	0	240	0	UNK	UNK
1985	0	27	0	110	0	UNK	UNK
1986	0	1	0	29	0	UNK	UNK
1987	0	16	0	59	0	UNK	UNK
1988	UNK	UNK	UNK	UNK	UNK	UNK	UNK
1989	UNK	4	UNK	3	UNK	UNK	UNK
1990	UNK	9	UNK	5	UNK	UNK	UNK
1991	UNK	125	UNK	3	UNK	UNK	UNK
1992	0	50	0	15	0	UNK	UNK
1988-92 Average	0	47	0	7	0	N/A	N/A

90-0800

Lynn Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983	0	0	6	175	0	UNK	18
1984	0	16	0	185	0	UNK	0
1985	0	0	7	215	0	UNK	0
1986	UNK	UNK	UNK	UNK	UNK	UNK	UNK
1987	0	36	0	127	0	UNK	UNK
1988	0	7	0	350	0	UNK	UNK
1989	UNK	19	7	254	UNK	UNK	UNK
1990	UNK	89	227	3130	UNK	UNK	UNK
1991	UNK	17	16	68	UNK	UNK	UNK
1992	0	6	25	100	0	UNK	UNK
1988-92 Average	0	28	55	3902	0	N/A	N/A

90-0800-010

Keith Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983-1992	**********	No Escapement Data Available				**********	

90-0800-020

Hastings Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983	0	0	0	16	0	UNK	0
1984	0	0	0	32	0	UNK	0
1985	0	0	6	175	0	UNK	0
1986	0	0	0	67	0	UNK	UNK
1987	0	0	0	27	0	UNK	UNK
1988	0	0	0	38	0	UNK	UNK
1989	UNK	UNK	UNK	36	UNK	UNK	UNK
1990	UNK	UNK	UNK	11	UNK	UNK	UNK
1991	UNK	2	UNK	9	UNK	UNK	UNK
1992	0	0	0	10	0	UNK	UNK
1988-92 Average	0	1	0	21	0	N/A	N/A

90-0800-020-005

Kilmer Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983-1992	**********	No Escapement Data Available				**********	

90-0800-020-010

Thames Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983-1992	**********	No Escapement Data Available				**********	

90-0800-020-XXX

Colernan Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983-1992	**********	No Escapement Data Available				**********	

Table 6 (Cont'd).
1983-1992 Escapement Data For Salmonid Bearing Streams Flowing Into Burrard Inlet

90-0850 Mosquito Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983	0	0	0	3	0	UNK	0
1984	0	0	0	2	0	UNK	0
1985	0	0	0	17	0	UNK	0
1986	0	0	0	11	0	UNK	UNK
1987	UNK	UNK	UNK	UNK	UNK	UNK	UNK
1988	0	0	0	6	0	UNK	UNK
1989	UNK	UNK	UNK	0	UNK	UNK	UNK
1990	UNK	UNK	UNK	4	UNK	UNK	UNK
1991	UNK	0	UNK	UNK	UNK	UNK	UNK
1992	0	0	0	0	0	UNK	UNK
1988-92 Average	0	0	0	3	0	N/A	N/A

90-0850-010 Wagg Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983-1992	**********	No Escapement Data Available				**********	

90-0860 MacKay Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983	0	0	0	16	0	UNK	2
1984	0	0	0	32	0	UNK	0
1985	0	0	0	106	0	UNK	0
1986	UNK	UNK	UNK	UNK	UNK	UNK	UNK
1987	0	0	0	87	0	UNK	UNK
1988	0	4	0	40	0	UNK	UNK
1989	UNK	UNK	UNK	27	UNK	UNK	UNK
1990	UNK	UNK	UNK	UNK	UNK	UNK	UNK
1991	UNK	3	UNK	12	UNK	UNK	UNK
1992	0	12	0	60	0	UNK	UNK
1988-92 Average	0	6	0	139	0	N/A	N/A

90-0900 Capilano River	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983	70	500	1133	UNK	3	UNK	237
1984	0	205	32	370	0	UNK	0
1985	200	50	164	460	0	UNK	0
1986	0	287	19	182	0	UNK	UNK
1987	375	180	49	350	0	UNK	UNK
1988	UNK	65	95	650	UNK	UNK	UNK
1989	UNK	37	72	600	UNK	UNK	UNK
1990	UNK	UNK	UNK	UNK	UNK	UNK	UNK
1991	53	39	67	650	UNK	UNK	UNK
1992	UNK	UNK	UNK	UNK	UNK	UNK	UNK
1988-92 Average	*53	47	78	633	N/A	N/A	N/A

Note: * = Odd Year Average (No Pinks Observed In Even Years)

Table 6 (Cont'd).
1983-1992 Escapement Data For Salmonid Bearing Streams Flowing Into Burrard Inlet

90-0900-010

Brothers Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983	64	124	27	186	0	UNK	0
1984	0	97	17	183	0	UNK	0
1985	0	117	93	253	0	UNK	0
1986	0	36	27	112	0	UNK	UNK
1987	0	16	7	37	0	UNK	UNK
1988	0	17	15	37	0	UNK	UNK
1989	UNK	64	33	137	UNK	UNK	UNK
1990	UNK	UNK	UNK	UNK	UNK	UNK	UNK
1991	27	27	16	26	UNK	UNK	UNK
1992	UNK	UNK	UNK	UNK	UNK	UNK	UNK
1988-92 Average	*14	36	21	67	N/A	N/A	N/A

Note: * = Odd Year Average (No Pinks Observed In Even Years)

90-0940

Rodgers Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983	0	0	0	14	0	UNK	UNK
1984	UNK	0	0	0	0	UNK	UNK
1985	0	0	0	0	0	UNK	UNK
1986	0	0	0	0	0	UNK	UNK
1987	0	0	0	0	0	UNK	UNK
1988	0	0	0	0	0	UNK	UNK
1989	UNK	UNK	UNK	0	UNK	UNK	UNK
1990	UNK	UNK	UNK	2	UNK	UNK	UNK
1991	UNK	UNK	UNK	UNK	UNK	UNK	UNK
1992	0	0	0	0	0	UNK	UNK
1988-92 Average	0	0	0	1	0	N/A	N/A

90-0970

Cypress Creek	Pink	Chum	Chinook	Coho	Sockeye	Cutthroat	Steelhead
1983	0	0	0	2	0	UNK	UNK
1984	0	0	0	0	0	UNK	UNK
1985	0	0	0	0	0	UNK	UNK
1986	UNK	UNK	UNK	UNK	UNK	UNK	UNK
1987	0	0	0	0	0	UNK	UNK
1988	0	0	0	0	0	UNK	UNK
1989	UNK	UNK	UNK	0	UNK	UNK	UNK
1990	UNK	UNK	UNK	UNK	UNK	UNK	UNK
1991	UNK	UNK	2	UNK	UNK	UNK	UNK
1992	0	0	0	10	0	UNK	UNK
1988-92 Average	0	0	1	3	0	N/A	N/A

Table 7a. 1992 DFO Salmonid Enhancement Program Activities In Burrard Inlet

90-XXXX	
Beaver Creek	
April 21, 1992	1,000 Coho Fry Raised In Classroom Incubators Released Into Creek
May 12, 1992	1,900 Coho Fry Raised In Incubator Released Into Creek
90-XXXX	
Simon Creek	Rearing Facility / Seapen
May 1992	97,000 Chinook Smolts Raised At Seymour Hatchery Released From Reed Point Marina Seapens
90-XXXX	
Spanish Banks Creek	
May 4, 1992	2,000 Coho Fry Raised At Capilano Hatchery Released Into Creek
90-XXXX	
Schoolhouse Creek (Port Moody)	
June 6, 1992	2,000 Coho Fry From Mossom Creek Hatchery Released To Creek
90-XXXX	
Suterbrook Creek	
June 17, 1992	2,000 Coho Fry From Mossom Creek Hatchery Released To Creek
90-0300	
Noons Creek	Hatchery
Spring 1992	7,500 Coho Smolts Released
May 21, 1992	19,200 Chum Fry From Mossom Creek Hatchery Released To Creek
May 24, 1992	2,000 Chum Fry From Mossom Creek Hatchery Released To Creek
June 20, 1992	6,000 Coho Fry From Mossom Creek Hatchery Released To Creek
90-XXXX	
Wilkes Creek	No Salmonids Released In 1992
90-0320	
Mossom Creek	Hatchery / Seapen
May 27, 1992	5,500 Chum Fry Released To Creek
June 7, 1992	12,500 Chum Smolts Raised At Hatchery Released From Ioco Boat Club Seapen
June 17, 1992	10,000 Coho Fry Released To Creek

Table 7a (Cont'd). 1992 DFO Salmonid Enhancement Program Activities In Burrard Inlet

90-XXXX	
Schoolhouse Creek (loco)	
June 17, 1992	2,700 Coho Fry From Mossom Creek Hatchery Released To Creek
90-0390	
Richards Creek	Rearing Facility / Seapen
Spring 1992	1,800 Coho Fry Raised At Seymour River Hatchery Released To Creek
May 12, 1992	36,000 Chinook Smolts Raised At Big Qualicum Hatchery Released From Buntzen Bay Seapen
90-0500	
Indian River	No Salmonids Released In 1992
90-0690	
McCartney Creek	
Spring 1992	300 Coho Fry Raised In Classroom Incubators Released Into Creek
90-0700	
Seymour River	Hatchery
Spring 1992	950 Coho Fry Raised In Classroom Incubators Released Into River
Spring 1992	224 Cutthroat Smolts Released Into River
Spring 1992	27,000 Summer Run Steelhead Smolts Released Into River
Spring 1992	7,400 Winter Run Steelhead Smolts Released Into River
Spring 1992	96,500 Chinook Smolts Released Into River
Spring 1992	3,600 Chinook Smolts Released Into River
90-0700-100	
Maplewood Creek	Hatchery
Spring 1992	570 Coho Fry Raised In Classroom Incubators Released Into Creek
April 1992	19,500 Chum Fry Released Into Creek
90-0800	
Lynn Creek	Hatchery
Spring 1992	100 Coho Fry Raised In Classroom Incubators Released Into Creek
Spring 1992	57,700 Chum Fry Raised At Seymour River Hatchery Released Into Creek
March 17, 1992	5,264 Coho Fry Released Into Creek
April 1, 1992	1,200 Coho Fry Released Into Creek

Table 7a (Cont'd). 1992 DFO Salmonid Enhancement Program Activities In Burrard Inlet

90-0800-010	
Keith Creek	
Spring 1992	450 Coho Fry Raised In Classroom Incubators Released Into Creek
90-0800-020	
Hastings Creek	
Spring 1992	2,500 Coho Fry Raised In Classroom Incubators Released Into Creek
March 17, 1992	10,539 Coho Fry Raised At Lynn Creek Hatchery Released Into Creek
90-0800-020-005	
Kilmer Creek	
Spring 1992	500 Coho Fry Raised In Classroom Incubators Released Into Creek
90-0800-020-010	
Thames Creek	
March 17, 1992	3,000 Coho Fry Raised At Lynn Creek Hatchery Released Into Creek
90-0800-020-XXX	
Coleman Creek	
March 17, 1992	3,000 Coho Fry Raised At Lynn Creek Hatchery Released Into Creek
90-0850	
Mosquito Creek	
Spring 1992	1,000 Coho Fry Raised At MacKay Creek Hatchery Released Into Creek
Spring 1992	2,422 Coho Fry Raised In Classroom Incubators Released Into Creek
90-0850-010	
Wagg Creek	
Spring 1992	1,000 Coho Fry Raised At MacKay Creek Hatchery Released Into Creek
Spring 1992	200 Coho Fry Raised In Classroom Incubators Released Into Creek
90-0860	
MacKay Creek	Hatchery
Spring 1992	1,300 Coho Fry Raised In Classroom Incubators Released Into Creek
March 20, 1992	25,200 Coho Fry Released Into Creek

Table 7a (Cont'd). 1992 DFO Salmonid Enhancement Program Activities In Burrard Inlet

90-0900 Capilano River	DFO Run Hatchery
Spring 1992	432 Coho Fry Raised In Classroom Incubators Released Into River
March 18, 1992	18,889 Winter and Some Summer Steelhead Fry Released Into River
April 21, 1992	16,786 Winter Steelhead Smolts Released Into River
May 6, 1992	28,296 Coho Smolts Released Into River
May 7, 1992	418,907 Chinook Smolts Raised At Capilano Hatchery Released From Deep Cove Seapen
May 8, 1992	53,552 Chinook Smolts Raised At Capilano Hatchery Released From West Vancouver Lab Seapens
May 14, 1992	10,000 Coho Smolts Raised At Capilano Hatchery Released From Westridge Seapens
May 14, 1992	146,762 Coho Smolts Released Into River
May 21, 1992	215,414 Chinook Smolts Released Into River
May 25, 1992	468,777 Coho Smolts Released Into River
July 22, 1992	100,251 Coho Fry Released Into River
December 15, 1992	3356 Winter Steelhead Fry Released Into River

90-0900-010 Brothers Creek	
February 25, 1992	2419 Winter Steelhead Fry Raised At Capilano Hatchery Released Into Creek

90-0940 Rodgers Creek	
April 9, 1992	1500 Coho Smolts Released Into Creek

90-0970 Cypress Creek	No Salmonids Released In 1992

Bedwell Bay	Seapens
May 30, 1992	50,000 Chinook Smolts Raised At Big Qualicum Hatchery Released

TOTAL SALMONIDS RELEASED IN 1992		(Total Includes Releases From Capilano Hatchery In Brackets)
Coho Fry Released	= 189,570	(100,251)
Coho Smolts Released	= 662,835	(653,835)
Chum Fry/Smolts Released	= 116,400	(0)
Chinook Smolts Released	= 970,973	(687,873)
Cutthroat Smolts Released	= 224	(0)
Summer Steelhead Released	= 27,000	(0)
Winter Steelhead Released	= 24,186	(22,245)

Table 7b. 1991 DFO Salmonid Enhancement Program Activities For Coho Fry In Burrard Inlet

90-XXXX Beaver Creek	
Spring 1991	800 Coho Fry Raised In Classroom Incubators Released Into Creek
90-XXXX Simon Creek	No Coho Fry Released In 1991
90-XXXX Spanish Banks Creek	
Spring 1991	2,000 Coho Fry Raised At Capilano Hatchery Released Into Creek
90-XXXX Schoolhouse Ck (Port Moody)	No Coho Fry Released In 1991
90-XXXX Suterbrook Creek	
June 26, 1991	5,000 Coho Fry From Mossom Creek Hatchery Released To Creek
90-0300 Noons Creek	Hatchery
June 26, 1991	6,200 Coho Fry From Mossom Creek Hatchery Released To Creek
90-XXXX Wilkes Creek	No Coho Fry Released In 1991
90-0320 Mossom Creek	Hatchery / Seapen
June 26, 1991	10,400 Coho Fry Released To Creek
90-XXXX Schoolhouse Ck (loco)	No Coho Fry Released In 1991
90-0390 Richards Creek	No Coho Fry Released In 1991

Table 7b (Cont'd). 1991 DFO Salmonid Enhancement Program Activities For Coho Fry In Burrard Inlet

90-0500 Indian River	No Coho Fry Released In 1991
90-0690 McCartney Creek	
Spring 1991	700 Coho Fry Raised In Classroom Incubators Released Into Creek
90-0700 Seymour River	Hatchery
Spring 1991	2,900 Coho Fry Raised In Classroom Incubators Released Into River
90-0700-100 Maplewood Creek	No Coho Fry Released In 1991
90-0800 Lynn Creek	Hatchery
Spring 1991	4,400 Coho Fry Raised In Classroom Incubators Released Into Creek
90-0800-010 Keith Creek	No Coho Fry Released In 1991
90-0800-020 Hastings Creek	
March/April 1991	7,200 Coho Fry Raised At Lynn Creek Hatchery Released Into Creek
90-0800-020-005 Kilmer Creek	No Coho Fry Released In 1991
90-0800-020-010 Thames Creek	
March/April 1991	3,200 Coho Fry Raised At Lynn Creek Hatchery Released Into Creek
90-0800-020-XXX Coleman Creek	No Coho Fry Released In 1991

Table 7b (Cont'd). 1991 DFO Salmonid Enhancement Program Activities For Coho Fry In Burrard Inlet

90-0850	
Mosquito Creek	
Spring 1991	800 Coho Fry Raised In Classroom Incubators Released Into Creek
90-0850-010	
Wagg Creek	No Coho Fry Released In 1991
90-0860	
MacKay Creek	Hatchery
Spring 1991	3,300 Coho Fry Raised In Classroom Incubators Released Into Creek
April 1991	8,000 Coho Fry Released Into Creek
90-0900	
Capilano River	DFO Run Hatchery
Spring 1991	200 Coho Fry Raised In Classroom Incubators Released Into River
90-0900-010	
Brothers Creek	
Spring 1991	350 Coho Fry Raised In Classroom Incubators Released Into Creek
90-0940	
Rodgers Creek	
November 7, 1991	5,000 Coho Fry Released Into Creek
90-0970	
Cypress Creek	
Spring 1991	350 Coho Fry Raised In Classroom Incubators Released Into Creek

TOTAL COHO FRY RELEASED IN 1991 = 60,800

APPENDICES

APPENDIX I. BURRARD INLET PRESENCE OF NON-SALMONID SPECIES 1992

SITE 1 DUNDARAVE AND SITE 1A AMBLESIDE

\+ = Present Blank = Absent * = Not Sampled

	SAMPLE DATE																		
SPECIES	FEB 25	MAR 03	MAR 10	MAR 17	MAR 24	MAR 31	APR 07	APR 14	APR 22	APR 28	MAY 05	MAY 12	MAY 26	JUN 09	JUN 16	JUN 30	JUL 21	AUG 05	AUG 26
Pacific Herring (Larval)													*						
Pacific Herring									+		+	+	*						
Northern Anchovy													*						
Smelt (Unidentified Larval)								+					*						
Surf Smelt			+			+	+		+		+	+	*	+	+		+	+	
Pacific Sand Lance				+						+			*						
Threespine Stickleback			+	+		+			+	+	+	+	*	+	+	+		+	+
Tube-Snout													*						+
Pipefish						+							*						+
Striped Seaperch													*						
Kelp Perch													*						
Shiner Perch													*	+	+		+		
Goby (Unidentified)													*						
Pacific Snake Prickleback													*	+					
Penpoint Gunnel													*						+
Crescent Gunnel													*						
Saddleback Gunnel													*						
Greenling (Unidentified)										+		+	*						
White-Spotted Greenling													*						
Tidepool Sculpin													*						
Silver Spotted Sculpin													*						
Sailfin Sculpin													*						
Buffalo Sculpin													*	+					
Pacific Staghorn Sculpin						+				+			*						+
Northern Clingfish (Juvenile)													*						
Sand Dab (Unidentified)													*						
Starry Flounder			+	+		+				+			*	+					+
C-O Sole										+			*						

APPENDIX I (CONT'D). BURRARD INLET PRESENCE OF NON-SALMONID SPECIES 1992

SITE 2 JERICHO

\+ = Present Blank = Absent * = Not Sampled

SPECIES	SAMPLE DATE FEB 25	MAR 03	MAR 10	MAR 17	MAR 24	MAR 31	APR 07	APR 14	APR 22	APR 28	MAY 05	MAY 12	MAY 26	JUN 09	JUN 16	JUN 30	JUL 21	AUG 05	AUG 26
Pacific Herring (Larval)	*												*						
Pacific Herring	*												*	+					
Northern Anchovy	*												*				+		
Smelt (Unidentified Larval)	*												*						+
Surf Smelt	*	+				+	+	+	+	+	+	+	*	+	+			+	
Pacific Sand Lance	*												*	+					
Threespine Stickleback	*										+		*					+	
Tube-Snout	*												*						
Pipefish	*											+	*						
Striped Seaperch	*												*	+					
Kelp Perch	*												*						
Shiner Perch	*											+	*	+		+			+
Goby (Unidentified)	*												*						
Pacific Snake Prickleback	*												*	+		+			
Penpoint Gunnel	*												*						
Crescent Gunnel	*												*						
Saddleback Gunnel	*												*						
Greenling (Unidentified)	*											+	*	+	+				
White-Spotted Greenling	*												*						
Tidepool Sculpin	*												*						
Silver Spotted Sculpin	*												*						
Sailfin Sculpin	*												*						
Buffalo Sculpin	*		+										*						
Pacific Staghorn Sculpin	*		+					+	+		+	+	*	+		+		+	+
Northern Clingfish (Juvenile)	*												*						
Sand Dab (Unidentified)	*							+	+		+		*			+		+	
Starry Flounder	*	+	+	+		+			+		+	+	*		+	+	+	+	+
C-O Sole	*												*						

APPENDIX I (CONT'D). BURRARD INLET PRESENCE OF NON-SALMONID SPECIES 1992

SITE 3 SUNSET

\+ = Present Blank = Absent * = Not Sampled

	SAMPLE DATE																	
SPECIES	FEB 25	MAR 03	MAR 10	MAR 17	MAR 24	MAR 31	APR 07	APR 14	APR 22	APR 28	MAY 05	MAY 12	MAY 26	JUN 09	JUN 16	JUN 30	JUL 21	AUG 05	AUG 26
Pacific Herring (Larval)	*												*						
Pacific Herring	*									+			*						
Northern Anchovy	*												*						
Smelt (Unidentified Larval)	*												*					+	+
Surf Smelt	*	+		+						+	+	+	*	+					
Pacific Sand Lance	*		+		+		+			+			*	+					
Threespine Stickleback	*	+		+				+		+			*		+	+			+
Tube-Snout	*												*						
Pipefish	*							+		+	+	+	*		+				+
Striped Seaperch	*												*						
Kelp Perch	*												*						
Shiner Perch	*											+	*						+
Goby (Unidentified)	*												*						
Pacific Snake Prickleback	*												*						
Penpoint Gunnel	*										+		*						+
Crescent Gunnel	*												*						
Saddleback Gunnel	*												*						
Greenling (Unidentified)	*					+		+		+	+	+	*		+				
White-Spotted Greenling	*												*						
Tidepool Sculpin	*												*						
Silver Spotted Sculpin	*												*						
Sailfin Sculpin	*												*						
Buffalo Sculpin	*												*						
Pacific Staghorn Sculpin	*	+		+		+		+	+		+		*	+	+	+		+	+
Northern Clingfish (Juvenile)	*												*						
Sand Dab (Unidentified)	*									+		+	*			+			
Starry Flounder	*	+	+	+				+			+	+	*	+		+			
C-O Sole	*									+		+	*			+			

APPENDIX I (CONT'D). BURRARD INLET PRESENCE OF NON-SALMONID SPECIES 1992

SITE 4 COAL HARBOUR

\+ = Present Blank = Absent * = Not Sampled

	SAMPLE DATE																		
SPECIES	FEB 25	MAR 03	MAR 10	MAR 17	MAR 24	MAR 31	APR 07	APR 14	APR 22	APR 28	MAY 05	MAY 12	MAY 26	JUN 09	JUN 16	JUN 30	JUL 21	AUG 05	AUG 26
Pacific Herring (Larval)														+					*
Pacific Herring																			*
Northern Anchovy																+		+	*
Smelt (Unidentified Larval)																			*
Surf Smelt	+			+										+					*
Pacific Sand Lance						+	+					+	+	+	+		+	+	*
Threespine Stickleback																			*
Tube-Snout						+					+	+	+			+			*
Pipefish																			*
Striped Seaperch																			*
Kelp Perch										+			+	+	+				*
Shiner Perch																			*
Goby (Unidentified)																			*
Pacific Snake Prickleback										+	+		+	+	+	+	+		*
Penpoint Gunnel			+		+					+	+	+			+	+			*
Crescent Gunnel												+	+		+	+			*
Saddleback Gunnel								+	+		+			+		+			*
Greenling (Unidentified)																			*
White-Spotted Greenling																			*
Tidepool Sculpin																			*
Silver Spotted Sculpin																			*
Sailfin Sculpin																			*
Buffalo Sculpin																			*
Pacific Staghorn Sculpin					+	+	+		+	+	+	+	+	+	+	+	+	+	*
Northern Clingfish (Juvenile)																+			*
Sand Dab (Unidentified)																			*
Starry Flounder										+					+	+	+		*
C-O Sole																+			*

APPENDIX I (CONT'D). BURRARD INLET PRESENCE OF NON-SALMONID SPECIES 1992

SITE 5 PORTSIDE PARK

\+ = Present Blank = Absent * = Not Sampled

	SAMPLE DATE																		
SPECIES	FEB 25	MAR 03	MAR 10	MAR 17	MAR 24	MAR 31	APR 07	APR 14	APR 22	APR 28	MAY 05	MAY 12	MAY 26	JUN 09	JUN 16	JUN 30	JUL 21	AUG 05	AUG 26
Pacific Herring (Larval)																			
Pacific Herring				+							+	+							+
Northern Anchovy																			
Smelt (Unidentified Larval)																		+	
Surf Smelt		+		+	+	+	+	+			+		+	+					
Pacific Sand Lance							+		+				+			+			
Threespine Stickleback										+					+	+		+	
Tube-Snout											+				+	+			
Pipefish											+					+			
Striped Seaperch											+				+				
Kelp Perch											+				+	+			+
Shiner Perch							+				+			+	+	+			+
Goby (Unidentified)																			
Pacific Snake Prickleback																			
Penpoint Gunnel															+	+			
Crescent Gunnel																			
Saddleback Gunnel																			
Greenling (Unidentified)							+	+		+	+	+				+			
White-Spotted Greenling															+				
Tidepool Sculpin																			
Silver Spotted Sculpin															+				
Sailfin Sculpin																			
Buffalo Sculpin													+						
Pacific Staghorn Sculpin														+		+			+
Northern Clingfish (Juvenile)																			
Sand Dab (Unidentified)																			
Starry Flounder					+														
C-O Sole																			

APPENDIX I (CONT'D). BURRARD INLET PRESENCE OF NON-SALMONID SPECIES 1992

SITE 6 NEW BRIGHTON

\+ = Present Blank = Absent * = Not Sampled

	SAMPLE DATE																		
SPECIES	FEB 25	MAR 03	MAR 10	MAR 17	MAR 24	MAR 31	APR 07	APR 14	APR 22	APR 28	MAY 05	MAY 12	MAY 26	JUN 09	JUN 16	JUN 30	JUL 21	AUG 05	AUG 26
Pacific Herring (Larval)																			
Pacific Herring																			
Northern Anchovy																	+		
Smelt (Unidentified Larval)											+					+			+
Surf Smelt				+				+			+				+				
Pacific Sand Lance											+			+					
Threespine Stickleback				+							+				+	+			+
Tube-Snout							+												
Pipefish										+		+	+		+				
Striped Seaperch								+			+								+
Kelp Perch																			
Shiner Perch																			
Goby (Unidentified)																			
Pacific Snake Prickleback											+								+
Penpoint Gunnel															+				
Crescent Gunnel															+				
Saddleback Gunnel																			
Greenling (Unidentified)																			
White-Spotted Greenling																			
Tidepool Sculpin																			
Silver Spotted Sculpin																			
Sailfin Sculpin				+							+								
Buffalo Sculpin						+			+		+	+	+	+	+				+
Pacific Staghorn Sculpin										+				+			+	+	
Northern Clingfish (Juvenile)			+																
Sand Dab (Unidentified)																			
Starry Flounder																			
C-O Sole																			

APPENDIX I (CONT'D). BURRARD INLET PRESENCE OF NON-SALMONID SPECIES 1992

SITE 7 CATES PARK

\+ = Present Blank = Absent * = Not Sampled

SPECIES	SAMPLE DATE FEB 25	MAR 03	MAR 10	MAR 17	MAR 24	MAR 31	APR 07	APR 14	APR 22	APR 28	MAY 05	MAY 12	MAY 26	JUN 09	JUN 16	JUN 30	JUL 21	AUG 05	AUG 26
Pacific Herring (Larval)			*																
Pacific Herring			*																
Northern Anchovy			*														+	+	
Smelt (Unidentified Larval)			*	+						+									
Surf Smelt			*														+		
Pacific Sand Lance			*	+						+			+	+	+				+
Threespine Stickleback	+		*								+								
Tube-Snout			*								+				+	+			+
Pipefish			*													+			
Striped Seaperch			*													+			+
Kelp Perch			*								+				+	+			+
Shiner Perch			*																
Goby (Unidentified)			*																
Pacific Snake Prickleback			*				+				+				+	+			
Penpoint Gunnel			*													+			
Crescent Gunnel			*								+					+			
Saddleback Gunnel			*					+			+								
Greenling (Unidentified)			*																
White-Spotted Greenling			*																
Tidepool Sculpin			*																
Silver Spotted Sculpin			*																
Sailfin Sculpin			*								+				+	+			+
Buffalo Sculpin			*							+				+	+	+	+		+
Pacific Staghorn Sculpin	+	+	*																
Northern Clingfish (Juvenile)			*									+				+			+
Sand Dab (Unidentified)			*												+	+			+
Starry Flounder			*				+												
C-O Sole			*																

APPENDIX I (CONT'D). BURRARD INLET PRESENCE OF NON-SALMONID SPECIES 1992

SITE 8 WOODLANDS AND SITE 8A DEEP COVE

\+ = Present Blank = Absent * = Not Sampled

	SAMPLE DATE																	
SPECIES	FEB 25	MAR 03	MAR 10	MAR 17	MAR 24	MAR 31	APR 07	APR 14	APR 22	APR 28	MAY 05	MAY 12	MAY 26	JUN 09	JUN 16	JUN 30	JUL 21	AUG 05	AUG 26
Pacific Herring (Larval)	*																		
Pacific Herring	*																	+	
Northern Anchovy	*																		
Smelt (Unidentified Larval)	*													+					
Surf Smelt	*										+			+	+		+	+	+
Pacific Sand Lance	*														+				
Threespine Stickleback	*								+										
Tube-Snout	*																		
Pipefish	*																		
Striped Seaperch	*								+			+					+		
Kelp Perch	*																		
Shiner Perch	*																		
Goby (Unidentified)	*										+								
Pacific Snake Prickleback	*																		
Penpoint Gunnel	*																		
Crescent Gunnel	*																		
Saddleback Gunnel	*																		
Greenling (Unidentified)	*																		
White-Spotted Greenling	*						+												
Tidepool Sculpin	*																		
Silver Spotted Sculpin	*														+				
Sailfin Sculpin	*						+												
Buffalo Sculpin	*										+		+						
Pacific Staghorn Sculpin	*	+				+													
Northern Clingfish (Juvenile)	*																		
Sand Dab (Unidentified)	*						+		+	+									
Starry Flounder	*		+																
C-O Sole	*						+												

APPENDIX I (CONT'D). BURRARD INLET PRESENCE OF NON-SALMONID SPECIES 1992

SITE 9 MOODY ARM WEST

\+ = Present Blank = Absent * = Not Sampled

	SAMPLE DATE																		
SPECIES	FEB 25	MAR 03	MAR 10	MAR 17	MAR 24	MAR 31	APR 07	APR 14	APR 22	APR 28	MAY 05	MAY 12	MAY 26	JUN 09	JUN 16	JUN 30	JUL 21	AUG 05	AUG 26
Pacific Herring (Larval)	*	*														+			
Pacific Herring	*	*																	
Northern Anchovy	*	*																	
Smelt (Unidentified Larval)	*	*			+	+			+		+			+		+			
Surf Smelt	*	*																	
Pacific Sand Lance	*	*		+	+							+			+	+	+	+	+
Threespine Stickleback	*	*									+								+
Tube-Snout	*	*																	
Pipefish	*	*																	
Striped Seaperch	*	*																	
Kelp Perch	*	*									+					+	+		+
Shiner Perch	*	*																	
Goby (Unidentified)	*	*																	
Pacific Snake Prickleback	*	*									+								
Penpoint Gunnel	*	*																	
Crescent Gunnel	*	*														+			
Saddleback Gunnel	*	*									+								
Greenling (Unidentified)	*	*																	
White-Spotted Greenling	*	*																	
Tidepool Sculpin	*	*																	
Silver Spotted Sculpin	*	*																	
Sailfin Sculpin	*	*									+								
Buffalo Sculpin	*	*	+	+	+										+	+		+	+
Pacific Staghorn Sculpin	*	*																	
Northern Clingfish (Juvenile)	*	*																	
Sand Dab (Unidentified)	*	*				+			+		+				+	+			
Starry Flounder	*	*																	
C-O Sole	*	*																	

APPENDIX I (CONT'D). BURRARD INLET PRESENCE OF NON-SALMONID SPECIES 1992

SITE 10 MOODY ARM EAST

\+ = Present Blank = Absent * = Not Sampled

	SAMPLE DATE																	
SPECIES	FEB 25	MAR 03	MAR 10	MAR 17	MAR 24	MAR 31	APR 07	APR 14	APR 22	APR 28	MAY 05	MAY 12	MAY 26	JUN 09	JUN 16	JUN 30	JUL 21	AUG 05	AUG 26
Pacific Herring (Larval)		*	*												+				
Pacific Herring		*	*																
Northern Anchovy		*	*																
Smelt (Unidentified Larval)		*	*		+														
Surf Smelt		*	*																
Pacific Sand Lance		*	*				+						+		+			+	
Threespine Stickleback		*	*																
Tube-Snout		*	*																
Pipefish		*	*																
Striped Seaperch		*	*																
Kelp Perch		*	*					+				+	+	+	+				
Shiner Perch		*	*		+														
Goby (Unidentified)		*	*												+				
Pacific Snake Prickleback		*	*																
Penpoint Gunnel		*	*																
Crescent Gunnel		*	*																
Saddleback Gunnel		*	*																
Greenling (Unidentified)		*	*			+													
White-Spotted Greenling		*	*																
Tidepool Sculpin		*	*																
Silver Spotted Sculpin		*	*																
Sailfin Sculpin		*	*																
Buffalo Sculpin		*	*																
Pacific Staghorn Sculpin		*	*	+	+	+			+		+		+	+	+				
Northern Clingfish (Juvenile)		*	*																
Sand Dab (Unidentified)		*	*											+	+		+		
Starry Flounder		*	*																
C-O Sole		*	*																

APPENDIX II. NUMBER OF SAMPLE SITES THAT EACH NON-SALMONID SPECIES WAS OBSERVED ON EACH SAMPLE DATE - BURRARD INLET 1992

TOTAL SITES SAMPLED	6	8	8	10	10	10	10	10	10	10	10	10	7	10	10	10	10	10	9
	FEB	MAR	MAR	MAR	MAR	MAR	APR	APR	APR	APR	MAY	MAY	MAY	JUN	JUN	JUN	JUL	AUG	AUG
SPECIES	25	03	10	17	24	31	07	14	22	28	05	12	26	09	16	30	21	05	26
Pacific Herring (Larval)														1					
Pacific Herring				1					1	1	2	2		1	1	1			1
Northern Anchovy																	1		
Smelt (Unidentified Larval)								1								1	2	5	2
Surf Smelt	1	3	1	5	3	4	3	3	3	3	6	3	1	5	2	2	1	2	1
Pacific Sand Lance			1	1	1		2		1	2	1		1	4	1	1	1		
Threespine Stickleback	1	1	1	5	1	2	2	1	1	4	4	3	3	5	8	4	3	7	5
Tube-Snout											4				2	2			2
Pipefish						2	1	1	1	1	4	3	1		3	3			4
Striped Seaperch										1	2	1	1	1	2	1			
Kelp Perch								1			1				1	2			3
Shiner Perch							1	1	1	1	3	4	2	5	5	4	3		5
Goby (Unidentified)					1														
Pacific Snake Prickleback														2	1	1			
Penpoint Gunnel			1			1		1			1	6		1	1	3	3	1		3
Crescent Gunnel											1	1	1			2	2		
Saddleback Gunnel												1	1	1		2	3		
Greenling (Unidentified)							2	1	4	1	3	5	4		2	2	2		
White-Spotted Greenling																1			
Tidepool Sculpin								1											
Silver Spotted Sculpin																1			
Sailfin Sculpin				1							1								
Buffalo Sculpin			1			1	1		1		3	1	2	2	3	1			2
Pacific Staghorn Sculpin	1	3	3	3	3	5	1	2	4	4	5	2	3	7	5	6	3	5	6
Northern Clingfish (Juvenile)			1													1			
Sand Dab (Unidentified)								1	1	1	1	2				3		1	1
Starry Flounder		2	4	3	1	3	2	1	3	3	3	2		3	5	5	3	1	3
C-O Sole							1			2		1				2			

APPENDIX III.
SCIENTIFIC NAMES OF NON-SALMONIDS CAUGHT
DURING THE 1992 BURRARD INLET SAMPLING PROGRAM

COMMON NAME	SCIENTIFIC NAME
Herrings	Family Clupeidae
Pacific Herring	Clupea harengus pallasi
Anchovies	Family Engraulidae
Northern Anchovy	Engraulis mordax mordax
Smelts	Family Osmeridae
Surf Smelt	Hypomesus pretiosus pretiosus
Sandlances	Family Ammodytidae
Pacific Sand Lance	Ammodytes hexapterus
Stickleback	Family Gasterosteidae
Threespine Stickleback	Gasterosteus aculeatus
Tubesnouts	Family Aulorhynchidae
Tube-Snout	Aulorhynchus flavidus
Pipefishes	Family Syngnathidae
Pipefish	Syngnathus griseolineatus
Surfperches	Family Embiotocidae
Striped Seaperch	Embiotoca lateralis
Kelp Perch	Brachyistius frenatus
Shiner Perch	Cymatogaster aggregata
Gobies	Family Gobiidae
Pricklebacks	Family Stichaeidae
Pacific Snake Prickleback	Lumpenus sagitta
Gunnels	Family Pholidae
Penpoint Gunnel	Apodichthys flavidus
Crescent Gunnel	Pholis laeta
Saddleback Gunnel	Pholis ornata

APPENDIX III (CONT'D).
SCIENTIFIC NAMES OF NON-SALMONIDS CAUGHT
DURING THE 1992 BURRARD INLET SAMPLING PROGRAM

Greenlings	Family Hexagrammoidae
White-Spotted Greenling	Hexagrammos stelleri
Sculpins	Family Cottidae
Tidepool Sculpin	Oligocottus maculosus
Silver-Spotted Sculpin	Blepsias cirrhosus
Sailfin Sculpin	Nautichthys oculofasciatus
Buffalo Sculpin	Enophrys bison
Pacific Staghorn Sculpin	Leptocottus armatus
Clingfishes	Family Gobiesocidae
Northern Clingfish	Gobiesox maeandricus
Lefteye Flounders (Sanddabs)	Family Bothidae
Righteye Flounders	Family Pleuronectidae
Starry Flounder	Platichthys stellatus
C-O Sole	Pleuronichthyes coenosus